

## 9870 Central Coast Area Committee – Santa Cruz and Monterey Counties

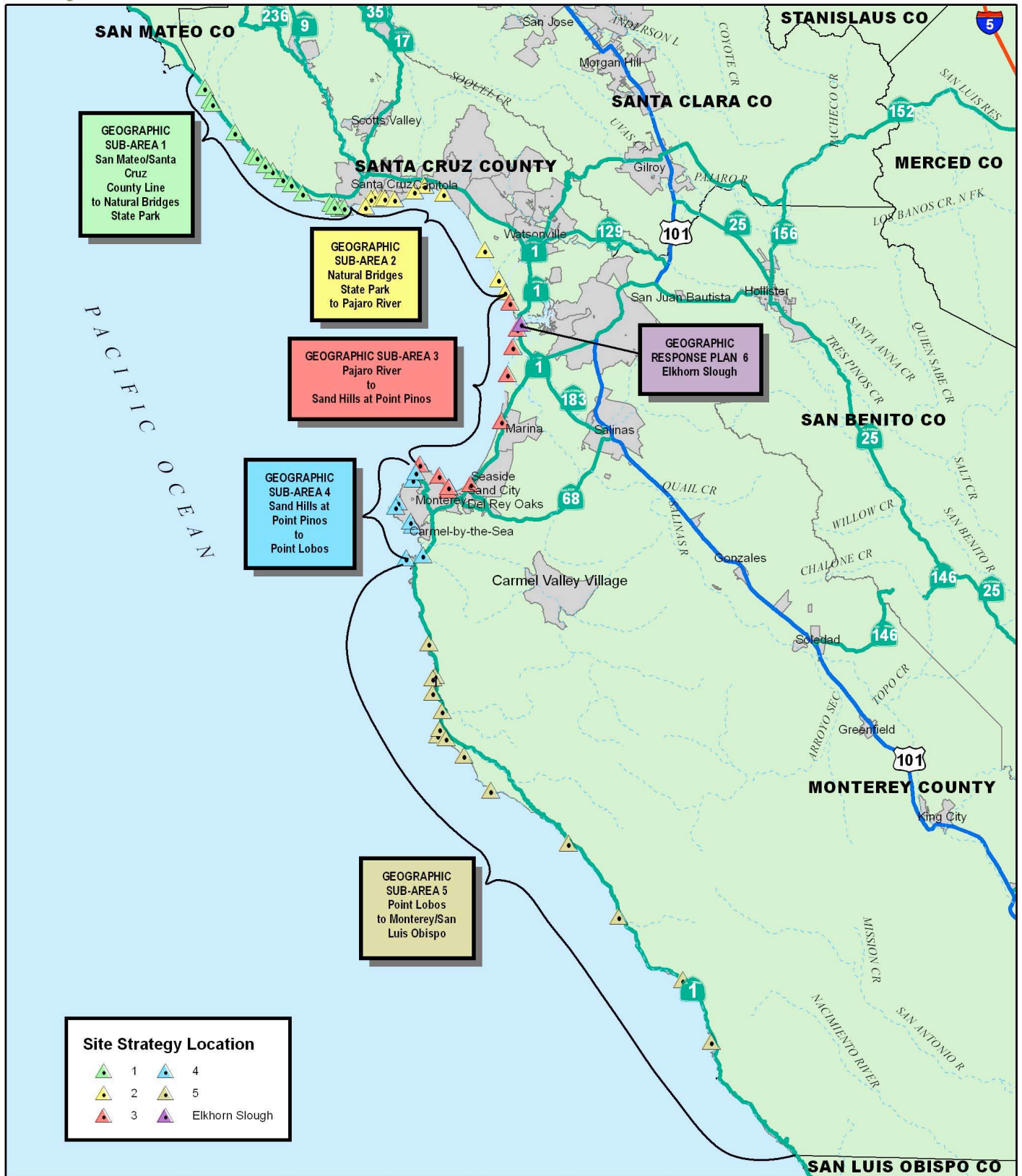
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# Central Coast Geographic Sub-Areas and Site Strategy Locations

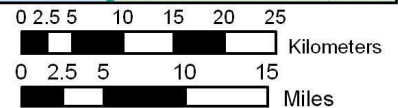


## Site Strategy Location

- |  |   |  |                |
|--|---|--|----------------|
|  | 1 |  | 4              |
|  | 2 |  | 5              |
|  | 3 |  | Elkhorn Slough |



Scale 1:690 000



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## ACP 3 OPERATIONAL DIVISIONS



ACP 3 Divisions

0 3.75 7.5 15 Miles

0 5 10 20 Kilometers

Friday, September 16, 2005 10:23:23 AM  
D:\Projects\ACP\_2005\ACP3 Operational Divisions 1map.mxd

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## **9871 GRA 1 San Mateo/Santa Cruz County Line to Natural Bridges State Park**

### **9871.1 Sensitive Sites**

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# Central Coast Geographic Sub-Area 1 and Site Strategy Locations



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### 3-110 -A Site Summary- Waddell Creek Inlet and Beach

3-110 -A

County: **Santa Cruz**  
USGS Quad: **Año Nuevo**

Thomas Guide Location

Latitude N  
37° 05'  
Longitude W  
122° 17'

NOAA Chart:

Last Page Update : 8/25/2005
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#### **SITE DESCRIPTION:**

Minor fringing marsh beneath Highway 1 and a well-developed marsh inland of the bridge.

#### **SEASONAL and SPECIAL RESOURCE CONCERN**

Species of concern discussed below are present year round.

#### **RESOURCES OF PRIMARY CONCERN**

Marsh inland of Hwy. 1

Present are waterfowl (e.g., mallards and scoters), shorebirds (e.g., threatened snowy plovers, sanderlings), and coastal seabirds including the endangered brown pelican.

This anadromous stream provides habitat for steelhead trout, tidewater goby (candidate species), Coho salmon (candidate species)

San Francisco garter snake ( endangered)

#### **CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

#### **KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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#### **ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org>. Image #s 200401153, 200401154, 6401-6404. Site of Big Basin Redwoods

### 3-110 -A Site Strategy - Waddell Creek Inlet and Beach

County and Thomas Guide Location

NOAA CHART

Santa Cruz

### 3-110 -A

Latitude N

Longitude W

37° 05'

122° 17'

Last Page Update : 8/25/2005

#### CONCERNS and ADVICE to RESPONDERS:

Stop oil at beach. Prevent transit upstream to large marsh system. Present are waterfowl (e.g., mallards and scoters), shorebirds (e.g., threatened snowy plovers, sanderlings), and coastal seabirds including the endangered brown pelican. This anadromous stream provides habitat for steelhead trout, tidewater goby (candidate species), Coho salmon (candidate species). San Francisco garter snake (endangered).

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Oil must be prevented from flowing under Highway 1 bridge and entering the marsh system east of the Highway 1 bridge.

#### Strategy 3-110.1 Objective: Exclude oil by berming

ACP DATE

Block entrance (area just seaward of Highway 1 bridge) with sediment dike or sand bags. May need to install pipe below berm to allow for water outflow. Consider laying Texas intertidal boom along top of natural berm to enhance berm integrity (see strategy 3-110.3). Note: Sediment may be scarce following severe storms.

Remove wrack debris or move to points above high tide influence to keep it from becoming contaminated by oil.

COLLECTION POINTS: On south beach, seaward of sediment dike. Notify UC if skimming system should be deployed.

#### Strategy 3-110.2 Objective: Exclude oil by booming

ACP DATE

Lay two rows of swamp boom across entrance to Waddell Creek just below Hwy 1 bridge; use sorbent boom to enhance lagoon protection inside of boom.

#### Strategy 3-110.3 Objective: exclusion by Texas Barrier Boom (TBB); also use to enhance sediment barrier.

ACP DATE

Some Texas intertidal boom for berm may be used to exclude oil by forming a barrier just below the

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-110.1									1E+ 1000 sand bags, 1600' 6" PVC pipe, ATV	20	
3-110.2	0	500	0	500	4 Stakes	0	0	0	0		3
3-110.3	0	0	500 TBB	0	0	0	0	0	0		4

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From Santa Cruz, take Highway 1 north. Access directly from highway, 7.1 miles north of railroad crossing (just north of Davenport). Staging possible in parking lot just north of creek bed. Minor fringing marsh beneath Highway 1 and a well-developed marsh inland of the bridge.

**LAND ACCESS:** Foot only to beach, Large Truck, Earth-moving equipment in staging are

**WATER LOGISTICS:** No water access except skiff launched through surf.

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Parking lot adjacent to beach

**COMMUNICATIONS PROBLEMS:** Cell phone and radio reception may be weak

#### ADDITIONAL OPERATIONAL COMMENTS:



# INLET SKETCH MAP

WADDELL CREEK

Inlet Name INLET, CA.

Recorder(s) MDH/TMM/KH

Date/Time 9/20/1992, 0710

Tide Stage HIGH (0836LTS.Y); AND  
MODIFIED 28 JUNE 2005 LRE

Inlet Classification D

**CHECKLIST**

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

-----XXXXXX-----

Recommended  
Oil-Catchment Area

✓ ✓

Salt-Water Marsh



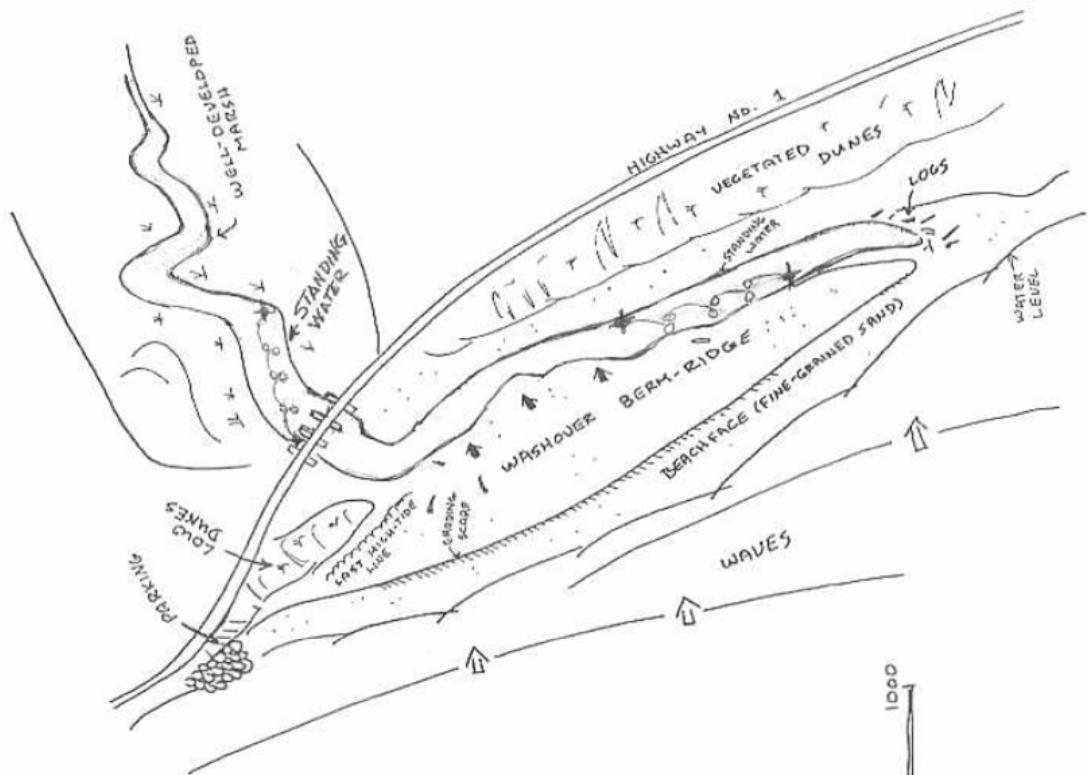
Fresh-Water Marsh



High-Tide  
Overwash Zone



Last High-Tide  
Swash Line





**3-120 -B Site Summary- Pelican Rock and Greyhound Rock (and Inland)****3-120 -B**

County: **Santa Cruz**  
USGS Quad: **Año Nuevo**

Thomas Guide Location  
929  
NOAA Chart:

Latitude N  
37° 04'  
Longitude W  
122° 16'

Last Page Update :
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**SITE DESCRIPTION:**

Offshore rock

**SEASONAL and SPECIAL RESOURCE CONCERN**

Species of concern discussed below are present year round.

**RESOURCES OF PRIMARY CONCERN**

Pacific harbor seal and elephant seal haul-out site

Inland is the locally rare plant *Erysimum fransiscanum*.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org>. Image #s200401168. State owned (Department of Fish and Game) - leased

### 3-120 -B Site Strategy - Pelican Rock and Greyhound Rock (and Inland)

County and Thomas Guide Location

NOAA CHART

### 3-120 -B

Latitude N

Longitude W

929 Santa Cruz

37° 04'

122° 16'

#### CONCERNS and ADVICE to RESPONDERS:

Pacific harbor seal and elephant seal haul-out site

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-120.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-120.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access off Waddell Creek Beach (see Site 3-110) Offshore rock

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

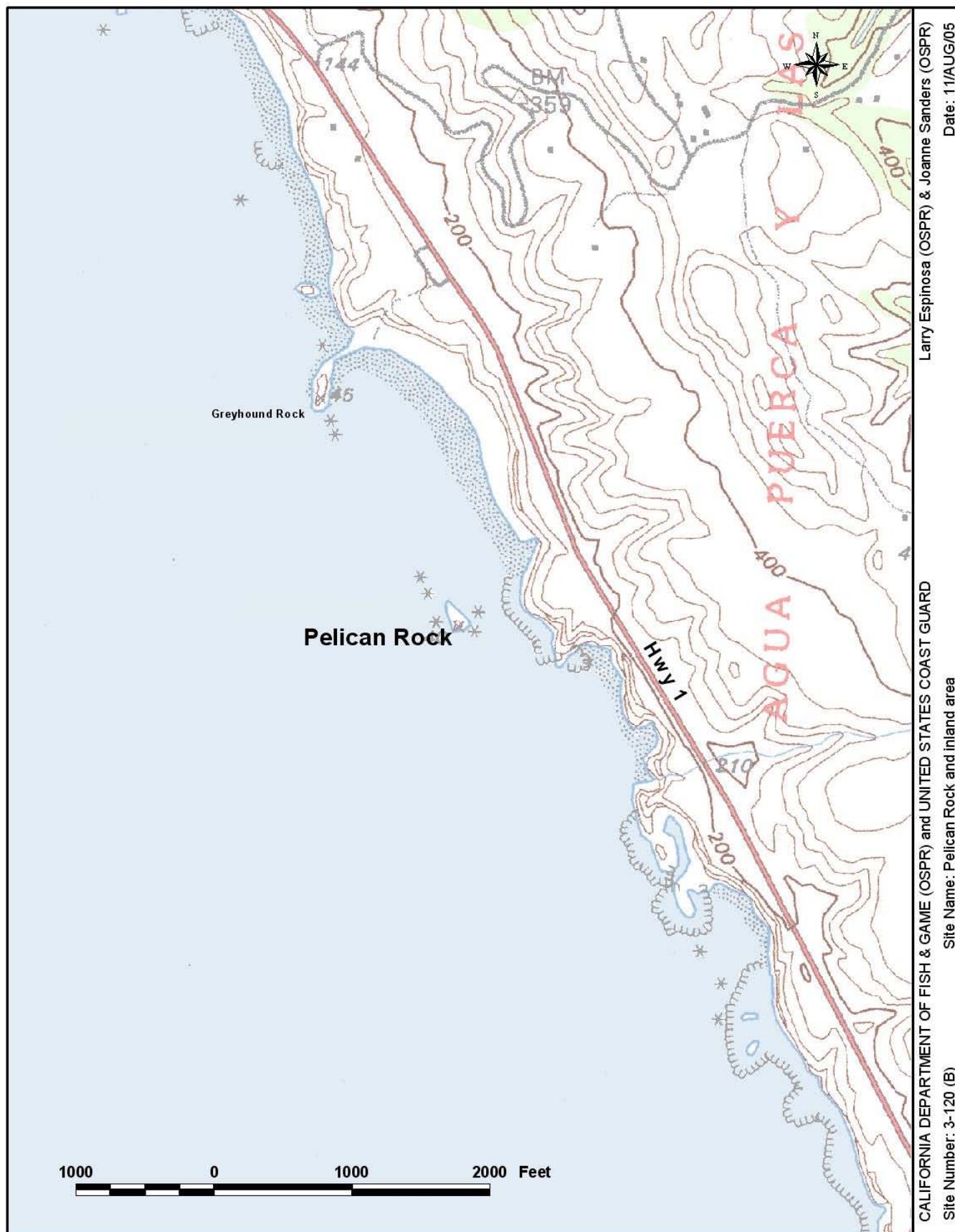
and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:





CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Number: 3-120 (B)  
 Site Name: Pelican Rock and inland area  
 Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 11/AUG/05

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

### 3-130 -A/B Site Summary- Scott Creek Inlet and Molino Creek Inlet

3-130 -A/B

County: **Santa Cruz**  
USGS Quad: **Davenport**

Thomas Guide Location  
949  
NOAA Chart:

Latitude N  
37° 02'  
Longitude W  
122° 14'

Last Page Update : 8/25/2005

#### SITE DESCRIPTION:

Scott Creek: Exposed sandy beach approximately 1 mile long. Small pond/lagoon/marsh behind beach and well-developed marsh inland of Highway 1.

Molino Creek: Small inlet at south edge of Scott Creek beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Birds and gobies present year round. Moderate to heavy waterfowl use during migratory season.

#### RESOURCES OF PRIMARY CONCERN

Shorebirds and coastal seabirds, including endangered brown pelican, snowy plover (threatened), saltmarsh common yellowthroat and tricolored blackbird are all present. Peregrine falcons (endangered) may be present. Rhinoceros auklets (*Cororhinca monocerata*), a state listed species of special concern, use the northernmost cliffs.

San Francisco garter snake (endangered).

Tidewater goby (candidate species), native Coho salmon (candidate species) and steelhead trout are found in the creek.

Michael's piperia (*Piperia michaelii*).

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 200401209, 200401211, 6440-6443 (Scott Creek), 6444-6445 (Moli

### 3-130 -A/B Site Strategy - Scott Creek Inlet and Molino Creek Inlet

3-130 -A/B

County and Thomas Guide Location

NOAA CHART

Latitude N

Longitude W

949 Santa Cruz

37° 02'

122° 14'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Shorebirds and coastal seabirds, including endangered brown pelican, snowy plover (threatened), saltmarsh common yellowthroat and tricolored blackbird are all present. Peregrine falcons (endangered) may be present. San Francisco garter snake (endangered). Rhinoceros auklets (*Cororhinca monocerata*), a state listed species of special concern, use the northernmost cliffs. Tidewater goby (candidate species), native Coho salmon (candidate species) and steelhead trout are found in the creek. Inland Terrestrial Plant :Michael's piperia (*Piperia michaelii*).

#### HAZARDS and RESTRICTIONS:

High-speed traffic hazard.

#### SITE STRATEGIES

Oil must be prevented from flowing under Highway 1 bridge and entering the marsh system.

##### Strategy 3-130.1 Objective: Exclude oil by berming

ACP DATE

Block entrance (area seaward of Highway 1 bridge) with sediment dike or sand bags; may need to install pipe below berm to allow for water flow.

Remove wrack or move to points above high tide influence.

##### Strategy 3-130.2 Objective: Exclude oil by booming

ACP DATE

Lay two rows of swamp boom across entrance to Creek just below Hwy 1 bridge; use sorbent boom to enhance lagoon protection inside of boom.

##### Strategy 3-130.3 Objective: Exclude oil with Texas Barrier Boom

ACP DATE

Consider laying Texas intertidal boom along top of natural berm to enhance berm integrity.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment No and kinds	staff deploy	Staff tend
3-130.1											581 500 sand bags, 1600' 6" PVC pipe, ATV,	12	
3-130.2	0	500		500	4	stakes	0	0	0		0	3	
3-130.3	0	0	250 TBB	0	0		0	0	0		0	4	

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 north from Santa Cruz. Access directly off of highway, 2.3 miles past the railroad crossing (just north of Davenport). Minimal staging area: Roadside parking for 25-30 sedan-sized vehicles. High-speed traffic hazard. Scott Creek: Exposed sandy beach approximately 1 mile long. Small pond/lagoon/marsh behind beach and well-developed marsh inland of Highway 1.

Molino Creek: Small inlet at south edge of Scott Creek beach.

**LAND ACCESS:** ATV & foot access only.

##### **WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

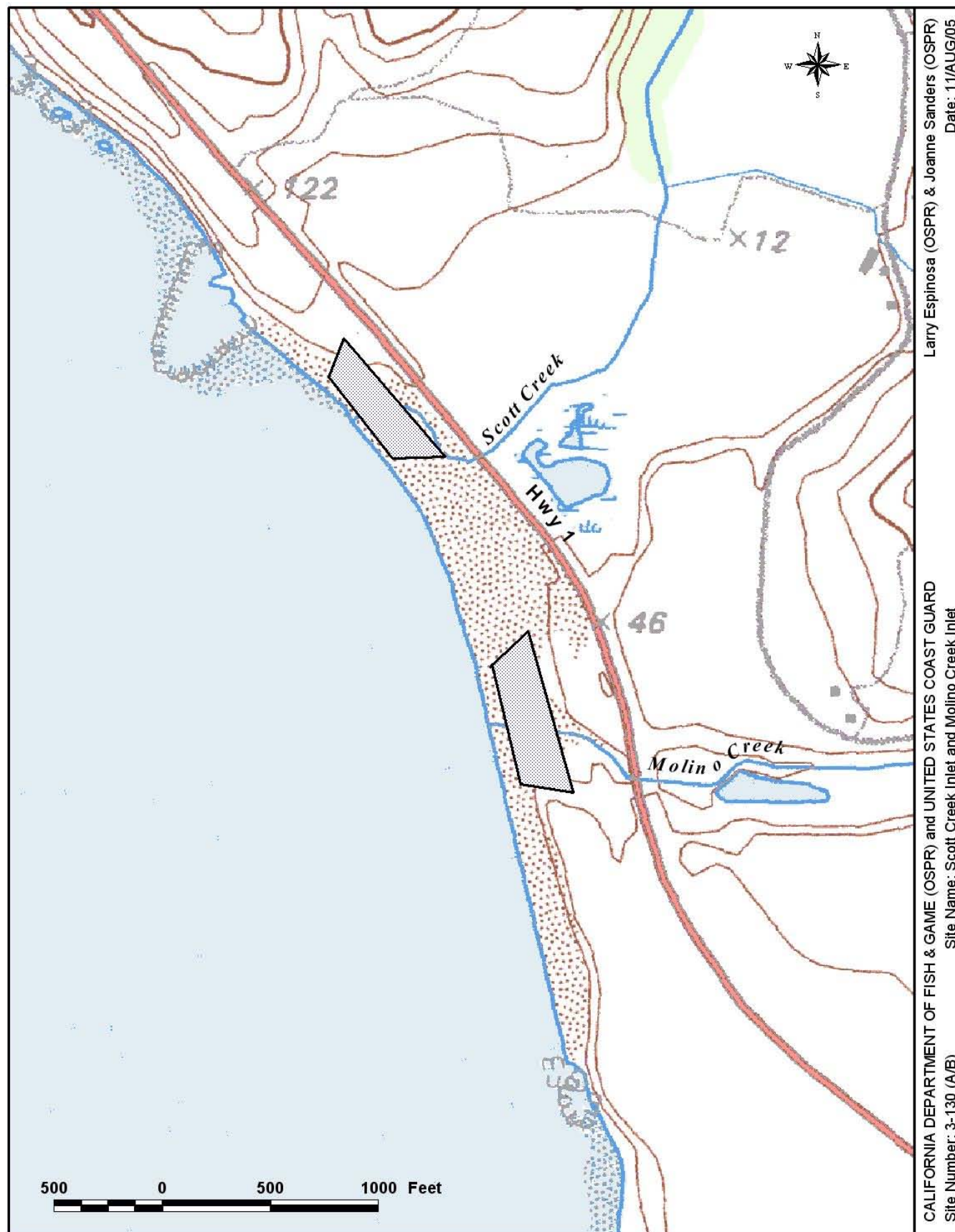
and Services Available:

##### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

Minimal staging area: Roadside parking for 25-30 sedan-sized vehicles.

##### **COMMUNICATIONS PROBLEMS:**

##### **ADDITIONAL OPERATIONAL COMMENTS:**



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 11/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Scott Creek Inlet and Molino Creek Inlet  
Site Number: 3-130 (A/B)



### 3-140 -C Site Summary- Davenport Pier

3-140 -C

County: **Santa Cruz**  
USGS Quad: **Davenport**

Thomas Guide Location  
950  
NOAA Chart:

Latitude N  
37° 00'  
Longitude W  
122° 12'

Last Page Update : 8/25/2005
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#### SITE DESCRIPTION:

Remnants of old steel pier. Water access only. Steep cliff makes land access difficult or impossible.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Species of concern discussed below are present year round. Brandt's cormorants are present year round, and nest February-August (peak egg laying is in April).

#### RESOURCES OF PRIMARY CONCERN

Brandt's cormorants roost on these pier pilings and nest February - August (peak egg-laying is in April). Depending on season, consider hazing.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

##### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 200401247, 6467. This is the only Brandt's cormorant roosting and

### 3-140 -C Site Strategy - Davenport Pier

County and Thomas Guide Location

NOAA CHART

950 Santa Cruz

### 3-140 -C

Latitude N Longitude W

37° 00' 122° 12'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Brandt's cormorants roost on these pier pilings and nest February - August (peak egg-laying is in April). Depending on season, consider hazing.

#### HAZARDS and RESTRICTIONS:

Water access only. Steep cliff makes land access difficult or impossible.

#### SITE STRATEGIES

**Strategy 3-140.1** **Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

**Strategy 3-140.2** **Objective: Hazing water birds at pier: February - August (peak egg-laying is in April)**

ACP DATE

Brandt's cormorants roost on these pier pilings and nest February - August (peak egg-laying is in April). Depending on season, consider hazing.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-140.1	0	0	0	0	0	0	0	0	0		
3-140.2								0			

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Remnants of old steel pier. Water access only. Steep cliff makes land access difficult or impossible.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

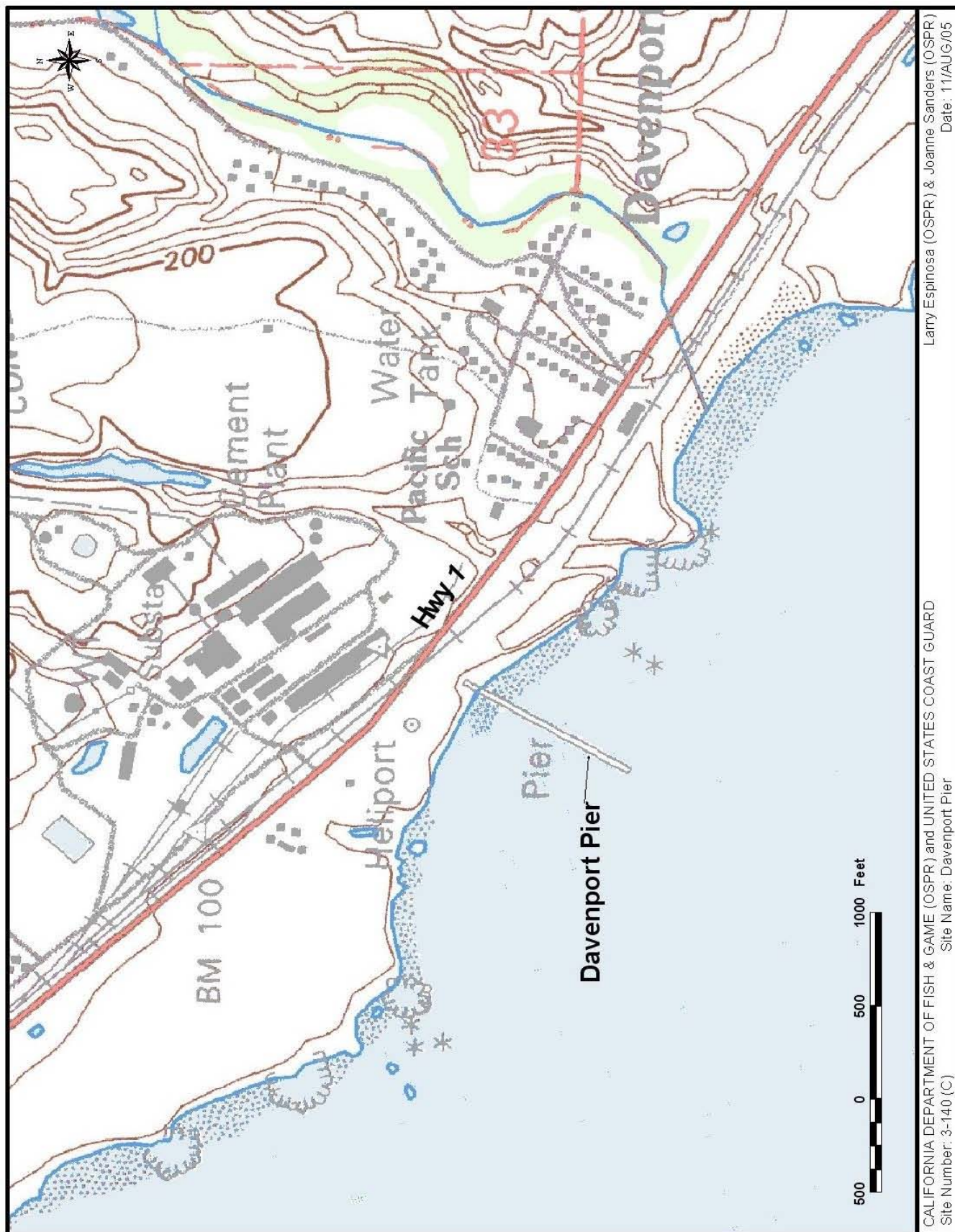
Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Number: 3-140 (C)  
 Site Name: Davenport Pier

Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 11/AUG/05

### 3-145 -A/B Site Summary- San Vicente Creek / Davenport Beach

3-145 -A/B

County: **Santa Cruz**  
USGS Quad: **Davenport**

Thomas Guide Location  
**970**  
NOAA Chart:

Latitude N  
**37° 00'**  
Longitude W  
**122° 12'**

Last Page Update : 8/25/2005
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#### SITE DESCRIPTION:

Medium to granular sandy beach. Two creek inlets on southern and northern extremes.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Species of concern discussed below are present year round.

#### RESOURCES OF PRIMARY CONCERN

Native Coho salmon and steelhead trout migrate upstream and downstream when inlet is open to tidal flow.  
High populations of sand crabs and isopods on beach.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Cultural sites located on bluff. Refer to Programmatic Agreement (ACP Appendix).

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 200401252, 200401254, 6470, 6471

### 3-145 -A/B Site Strategy - San Vicente Creek / Davenport Beach

3-145 -A/B

County and Thomas Guide Location

NOAA CHART

Latitude N

Longitude W

970 Santa Cruz

37° 00'

122° 12'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Native Coho salmon and steelhead trout migrate upstream and downstream when inlet is open to tidal flow.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-145.1 Objective: Exclude oil by berming

ACP DATE

Establish a berm at the mouth of the creek with sand bags or equivalent . If creek flowing, underflow pipes will need to be incorporated into berm.

##### Strategy 3-145.2 Objective: no action necessary & assess only when outflow is sufficient to keep oil from entering creek or naturally formed berm will exclude oil (and surf will not overtop)

ACP DATE

Maintain summertime berm at creek mouths if present.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-145.1									581 500 sand bags, 1600' 6" PVC pipe, ATV.	12	
3-145.2	0	0	0	0	0		0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

The small town of Davenport is about 9 miles upcoast from Santa Cruz on Highway 1. San Vicente Creek is at the south edge of Davenport, with Davenport Beach at its mouth. Park along Hwy. 1 for access. Medium to granular sandy beach. Two creek inlets on southern and northern extremes.

**LAND ACCESS:** foot only

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

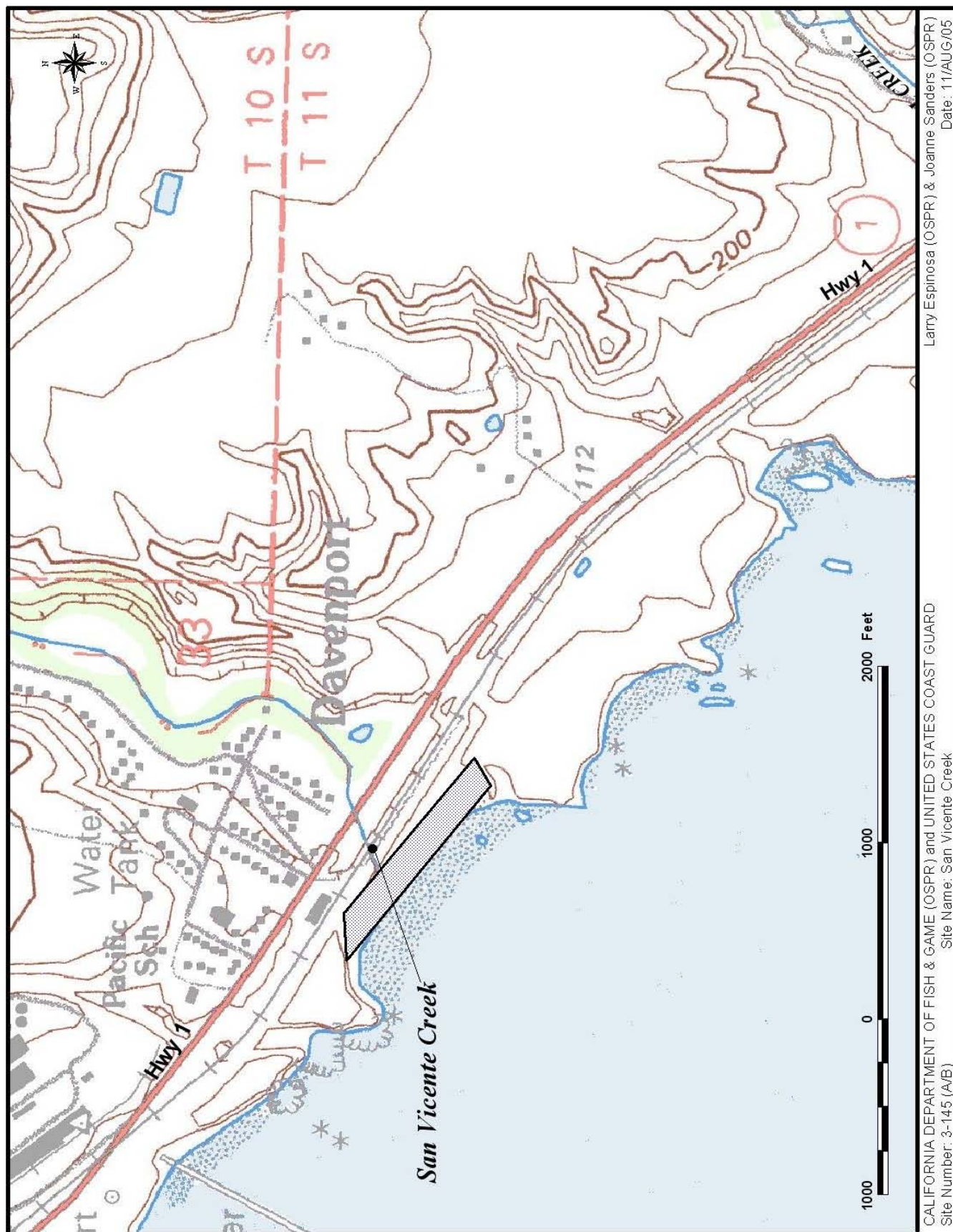
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Number: 3-145 (A/B) Site Name: San Vicente Creek

Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 11/AUG/05

- |             |              |                 |
|-------------|--------------|-----------------|
| Harbor Boom | Sorbent Boom | Dike or Berm    |
| Swamp Boom  | Other Boom   | Excellior Fence |
| sss / sfs   | tsa / sps    | tba/voo         |

### 3-150 -A/B Site Summary- Liddell Creek and Bonny Doon Beach

3-150 -A/B

County: **Santa Cruz**  
USGS Quad: **Davenport**

Thomas Guide Location  
970  
NOAA Chart:

Latitude N  
36° 59.8'  
Longitude W  
122° 11'

Last Page Update :

#### SITE DESCRIPTION:

Sandy beach, across from Bonny Doon Road. Sandy beach surrounded by mud and sandstone cliffs. Creek flowing out of base of eastern face of cliff through man-made tunnel. Marine terraces on north end of beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Species of concern discussed below are present year round.

#### RESOURCES OF PRIMARY CONCERN

This area is a migrant bird concentration point and an important resting and feeding area for migrating songbirds and snowy plover (shorebird).

Liddell Creek is an anadromous fish stream for steelhead trout.

Liddell Creek is an anadromous fish stream for steelhead trout.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Potential cultural site on bluffs.

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 6478, 6479. Bonny Doon Beach is a recreation area used by sun-b

### 3-150 -A/B Site Strategy - Liddell Creek and Bonny Doon Beach

County and Thomas Guide Location

NOAA CHART

### 3-150 -A/B

Latitude N Longitude W

970 Santa Cruz

36° 59.8' 122° 11'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

This area is a migrant bird concentration point and an important resting and feeding area for migrating songbirds and snowy plover (shorebird). Liddell Creek is an anadromous fish stream for steelhead trout. Liddell Creek is an anadromous fish stream for steelhead trout.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-150.1 Objective: Exclude oil by berming

ACP DATE

Construct a berm with sandbags (or local sediment when there is sufficient present). If there is outflow, use pipes to allow underflow of the berm.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
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3-150.1

0 500 sand bags, 1600' 6" PVC pipe, ATV, 12

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Liddell Creek crosses Highway 1 about 8 miles north of Santa Cruz on Highway 1. The creek empties at Bonny Doon Beach. Parking is at dirt pull outs along the highway. Can use foot paths to cross railroad tracks and bluff to beach. Farm roads, when dry, may provide some close vehicle access. Sandy beach, across from Bonny Doon Road. Sandy beach surrounded by mud and sandstone cliffs. Creek flowing out of base of eastern face of cliff through man-made tunnel. Marine terraces on north end of beach.

**LAND ACCESS:** Mostly Foot only. Vehicle access by farm road when dry

##### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

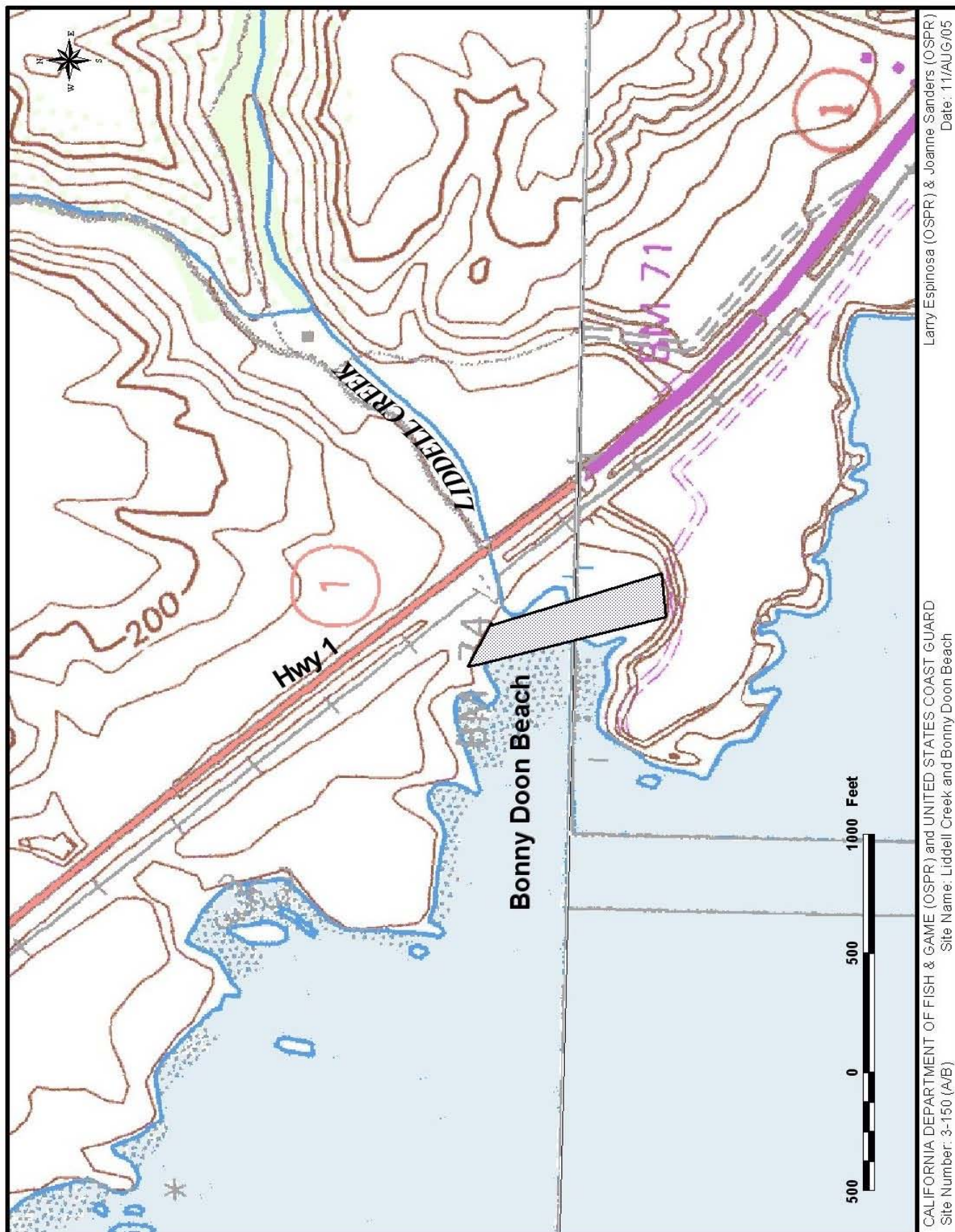
and Services Available:

##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:





County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
970  
NOAA Chart:

Latitude N  
36° 59.5'  
Longitude W  
122° 10.9'

Last Page Update :
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**SITE DESCRIPTION:**

Main beach (Yellow Bank) is 100 yards long by 70 yards wide separated by Yellow Bank Creek and a small rock archway from another long, narrow beach (Panther Beach) to the south. Panther Beach is only accessible at low to medium tides. Marsh at mouth of Yellow Bank Creek and sea cave 0.4 miles SSE of marsh.

Yellow Bank Beach: N 36° 59.5' / W 122° 10.9'

Panther Beach: N 36° 59.2' / W 122° 10'

**SEASONAL and SPECIAL RESOURCE CONCERN**

Species of concern discussed below are present year round. This is a B priority during summer months (i.e., during periods of low or no flow, or lower tides).

**RESOURCES OF PRIMARY CONCERN**

Black swift (DFG species of special concern, NDDDB).

Steelhead trout present during high-flow periods.

Michael's piperia (*Piperia michaelii*, a CNPS plant species of concern)

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org>. Image #sYellow Bank Beach: 6482, Panther Beach: 7219119. Yellow Bank

### 3-155 -A/B Site Strategy - Yellow Bank Creek and Beach, Panther Beach

3-155 -A/B

County and Thomas Guide Location

NOAA CHART

Latitude N Longitude W

970 Santa Cruz

36° 59.5' 122° 10.9'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Black swift (DFG species of special concern, NDDDB). Steelhead trout present during high-flow periods. Michael's piperia (*Piperia michaelii*, a CNPS plant species of concern)

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-155.1 Objective: Exclude oil by berming

ACP DATE

Maintain summertime berm at creek mouth if present, otherwise reestablish with sand bags or equivalent, and allow for water passage (with siphons) if creek flowing.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-155.1	0	0	0	0	0	0	0	0	581 500 sand bags, 1600' 6" PVC pipe, ATV,	12	

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Approximately 7 ¼ miles north of Santa Cruz on Highway 1, Yellow Bank Creek empties to the ocean at both Yellowbank and Panther Beaches. Yellowbank Beach is the smaller portion of the beach upcoast of the creek mouth. Panther Beach is downcoast of the mouth, and is broader and longer than Yellowbank Beach. Roadside parking, access by crossing tracks and bluff down to beach. Nearby farm roads may provide some vehicle access. Main beach (Yellow Bank) is 100 yards long by 70 yards wide separated by Yellow Bank Creek and a small rock archway from another long, narrow beach (Panther Beach) to the south. Panther Beach is only accessible at low to medium tides. Marsh at mouth of Yellow Bank Creek and sea cave 0.4 miles SSE of marsh.

**LAND ACCESS:** Mostly foot only. Nearby farm roads may provide some vehicle access

##### **WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

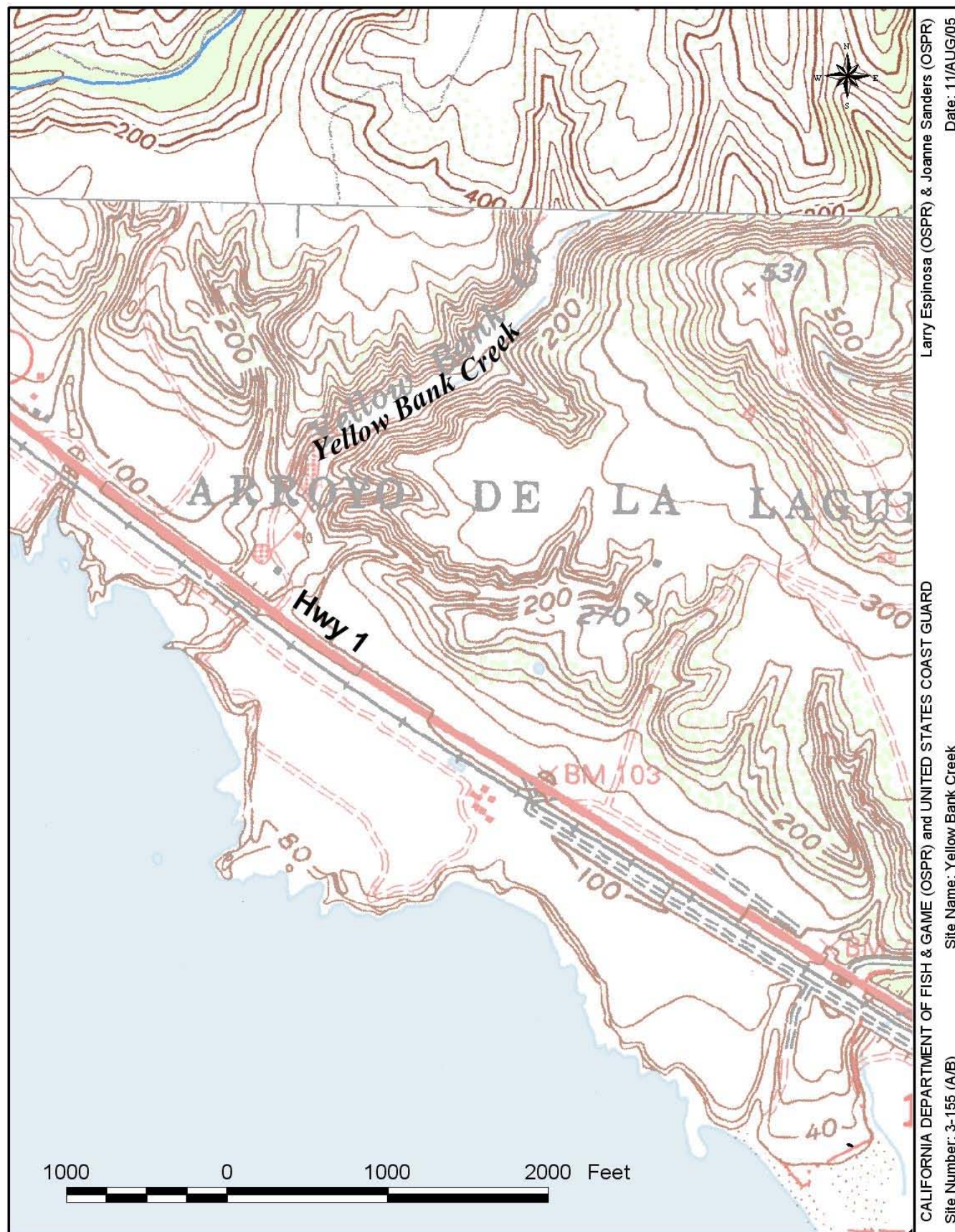
and Services Available:

##### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

##### **COMMUNICATIONS PROBLEMS:**

##### **ADDITIONAL OPERATIONAL COMMENTS:**





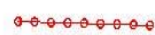
Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)

Date: 11/AUG/05

CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD

Site Name: Yellow Bank Creek

Site Number: 3-155 (A/B)



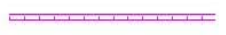
Harbor Boom



Swamp Boom



sss / sfs



Sorbent Boom



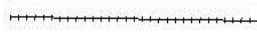
Other Boom



tsa / sps



Dike or Berm



Excellior Fence



tba/voo

### 3-160 -A/B Site Summary- Laguna Creek Inlet & Beach

3-160 -A/B

County: **Santa Cruz**  
USGS Quad: **Davenport**

Thomas Guide Location  
970  
NOAA Chart:

Latitude N  
36° 58.8'  
Longitude W  
122° 09.7'

Last Page Update :

#### SITE DESCRIPTION:

This site includes Laguna Creek and the deep pocket cove at its mouth. Laguna Creek is a deep pocket beach in summer with a natural berm six to eight feet high protecting the creek inlet, which is at north end of beach. The creek meanders around the base of a cliff that surrounds the beach, & exits at the south end of beach. The natural creek passage to the beach is through a hole cut through the cliff. The area becomes a wave-cut platform in winter. If sand is present, high winter flows may cause the creek to breach the berm. Oil may not reach creek mouth or marsh because the creek passes through a hole in the cliff. Even with heavy beach erosion in winter, oil may not reach the creek inlet.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Birds are present year round; steelhead trout may be present in winter, spring and fall.

#### RESOURCES OF PRIMARY CONCERN

Coastal sea birds include brown pelicans (endangered); abundant shorebirds include western snowy plover (threatened).

The federally listed rare San Francisco tree lupine moth may be found in the coastal scrub plant community.

Blasdale's bent grass (*Agrostis blasdalei*) and Michael's piperia (*Piperia michaelii*) are plant species in the bluff scrub community

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 6493, 7220006. Laguna Creek Beach is a recreation area. Privat

### 3-160 -A/B Site Strategy - Laguna Creek Inlet & Beach

County and Thomas Guide Location

NOAA CHART

970 Santa Cruz

3-160 -A/B

Latitude N

Longitude W

36° 58.8' 122° 09.7'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Coastal sea birds include brown pelicans (endangered); abundant shorebirds include western snowy plover (threatened). The federally listed rare San Francisco tree lupine moth may be found in the coastal scrub plant community. Blasdale's bent grass (*Agrostis blasdalei*) and Michael's piperia (*Piperia michaelii*) are plant species in the bluff scrub community

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-160.1 **Objective: Exclude oil by berming**

ACP DATE

Close off the overwashed inlet mouth with a sediment dike (medium-grained sand) or sand bags as appropriate. COLLECTION POINTS: On south beach, seaward of sediment dike. NOTE: No vehicle access to collection area. Very limited access.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-160.1	0	0	0	0	0	0	0	0	581 500 sand bags, 1600' 6" PVC pipe, ATV,	12	

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Santa Cruz, take Highway 1 about 6 ½ miles north. Pass the Baldwin Creek and Majors Creek Inlets. Walk up the hill and cross over the railroad tracks. May be able to access beach by ATV over the dune, although the route is very steep. Otherwise, access by foot only This site includes Laguna Creek and the deep pocket cove at its mouth.

**LAND ACCESS:** access beach by ATV over the dune (route is steep) otherwise foot only

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**

# INLET SKETCH MAP LAGUNA CREEK

Inlet Name INLET, CA.  
 Recorder(s) MOH/TMM/KM  
 Date/Time 8 NOV. 1992, 1720  
 Tide Stage LOW @ 1500 (-0.2); ANO Nuevo  
 Inlet Classification D

## CHECKLIST

- ☒ North Arrow
- ☒ Scale
- ☒ High-Tide Line
- ☒ Low-Tide Line
- ☒ Substrate Type

## LEGEND

—XXXXXXX—

Recommended  
Oil-Catchment Area

✓ ✓

Salt-Water Marsh



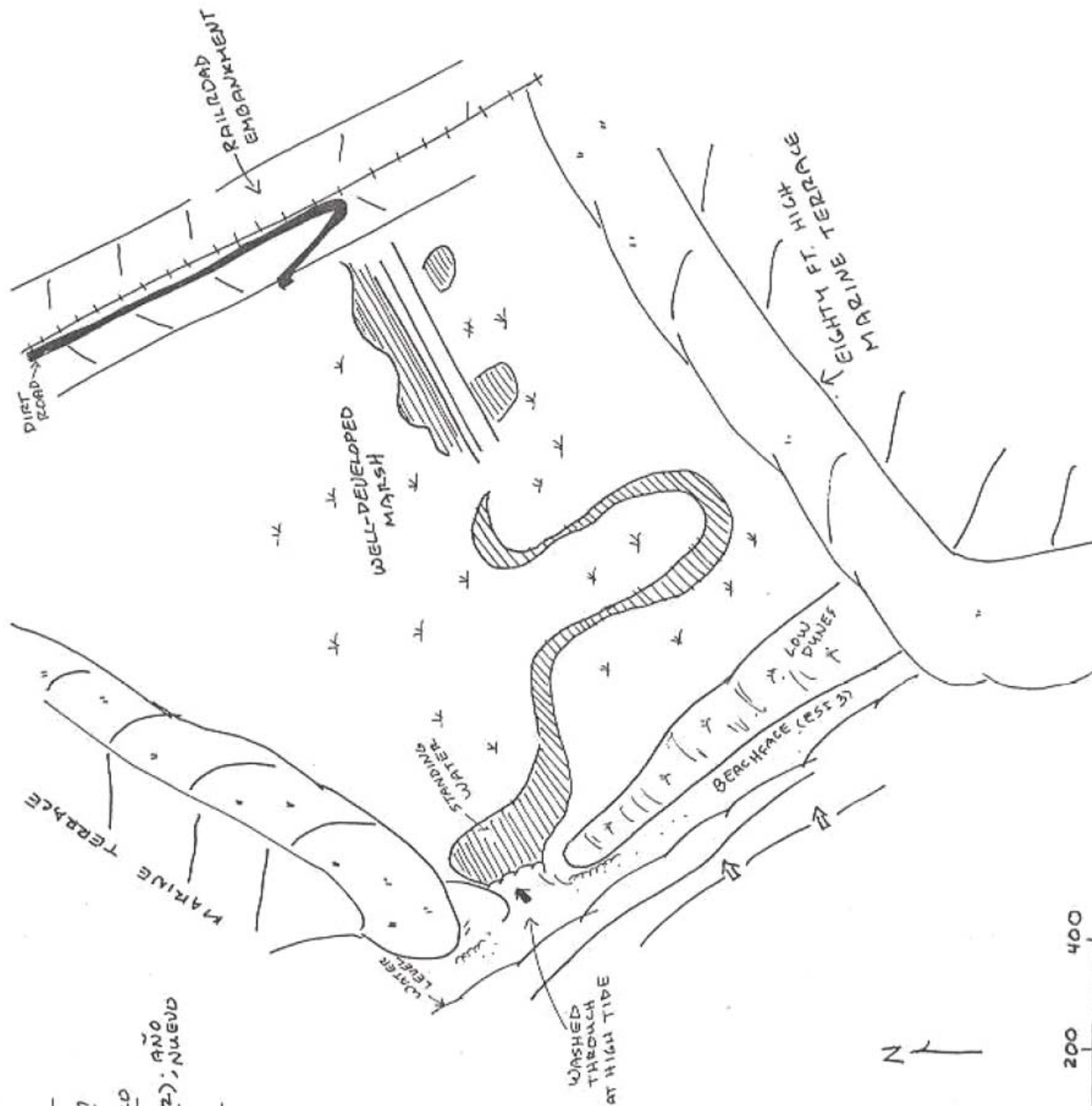
Fresh-Water Marsh



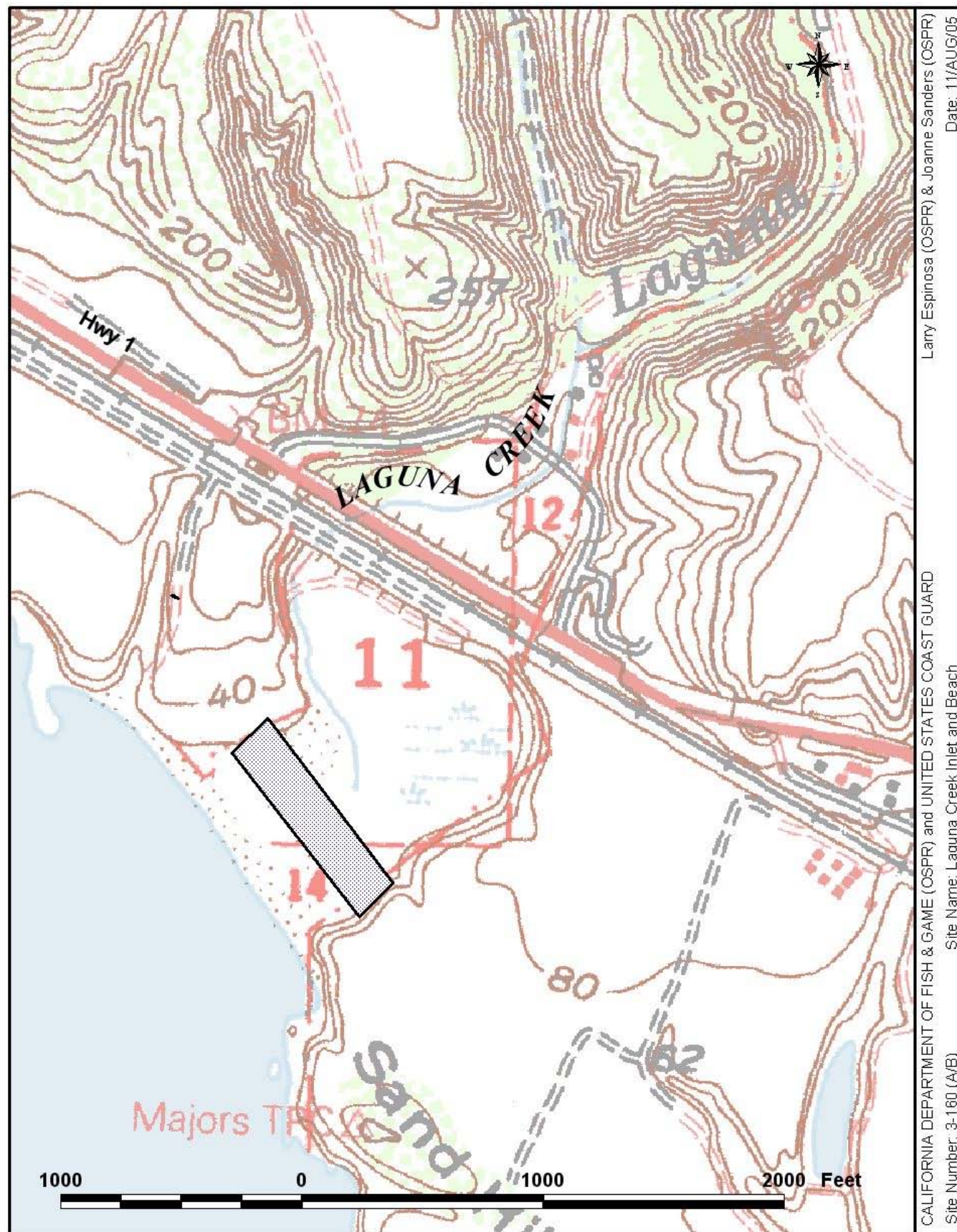
High-Tide  
Overwash Zone



Last High-Tide  
Swash Line







CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD

Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)

Date: 11/AUG/05

Site Name: Laguna Creek Inlet and Beach

Site Number: 3-160 (A/B)

Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excellior Fence  
 tba/voo



### 3-165 -A/B Site Summary- Majors Creek Inlet / Red, White and Blue Beach

3-165 -A/B

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
970, 971  
NOAA Chart:

Latitude N  
35° 58'  
Longitude W  
122° 08.9'

Last Page Update :

#### SITE DESCRIPTION:

Majors Creek Inlet, also called Red, White, and Blue Beach. Medium/coarse sandy grain beach. Creek empties on west side of the beach. Washover terrace present and modest marsh in channel behind beach. Private access/campground.

#### SEASONAL and SPECIAL RESOURCE CONCERN

#### RESOURCES OF PRIMARY CONCERN

Coastal sea birds including brown pelicans (endangered) and cormorants. Black swift (CDFG species of special concern). Black swift nest (elevation 20 ft.) located in seacave in a rocky coastal cliff above "second cave" in SE side of Sand Hill Bluff. Nest built of Enteromorpha algae (NDDB)

Sea otters may be present

Steelhead trout in creek.

There is a locally rare plant, Erysimum fransicanum in the area.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 200401306, 200401304. Private access/campground. Red, Whit

### 3-165 -A/B Site Strategy - Majors Creek Inlet / Red, White and Blue Beach

County and Thomas Guide Location

970, 971 Santa Cruz

NOAA CHART

### 3-165 -A/B

Latitude N

Longitude W

35° 58'

122° 08.9'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Coastal sea birds including brown pelicans (endangered) and cormorants. Black swift (CDFG species of special concern). Black swift nest (elevation 20 ft.) located in seacave in a rocky coastal cliff above "second cave" in SE side of Sand Hill Bluff. Nest built of Enteromorpha algae (NDDB)

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-165.1 Objective: Exclude oil by berming

ACP DATE

Close off inlet with sediment dike (medium-grain sand) or appropriate equivalent. If there is streamflow, underflow pipes must be included to allow for outflow. Access is a problem here.

##### Strategy 3-165.2 Objective: no action /assess only when there is heavy outflow or when natural berm has formed which will keep oil from being carried upstream by wave surge.

ACP DATE

Assess and monitor

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-165.1	0	0	0	0	0	0	0	0	581 500 sand bags, 1600' 6" PVC pipe, ATV,		
3-165.2									0		2

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Access road to beach is private. From Santa Cruz, take Highway 1 north, past Wilder Creek and Baldwin Creek. Turn left on first road past Coast Road (approximately 1 mile). Cross the railroad tracks and turn left onto dirt road paralleling railroad tracks. Turn right onto dirt road with yellow closure bar/gate. Continue onto farm field skirting road. Access for personnel only. Vehicles can be driven to within 1/4 mile of inlet mouth. On south beach, seaward of sediment dike. NOTE: there is no entrance point for heavy equipment.

**LAND ACCESS:** foot only. Vehicles can be driven to within 1/4 mi. of inlet

##### **WATER LOGISTICS:**

Limitations: depth, obstruction

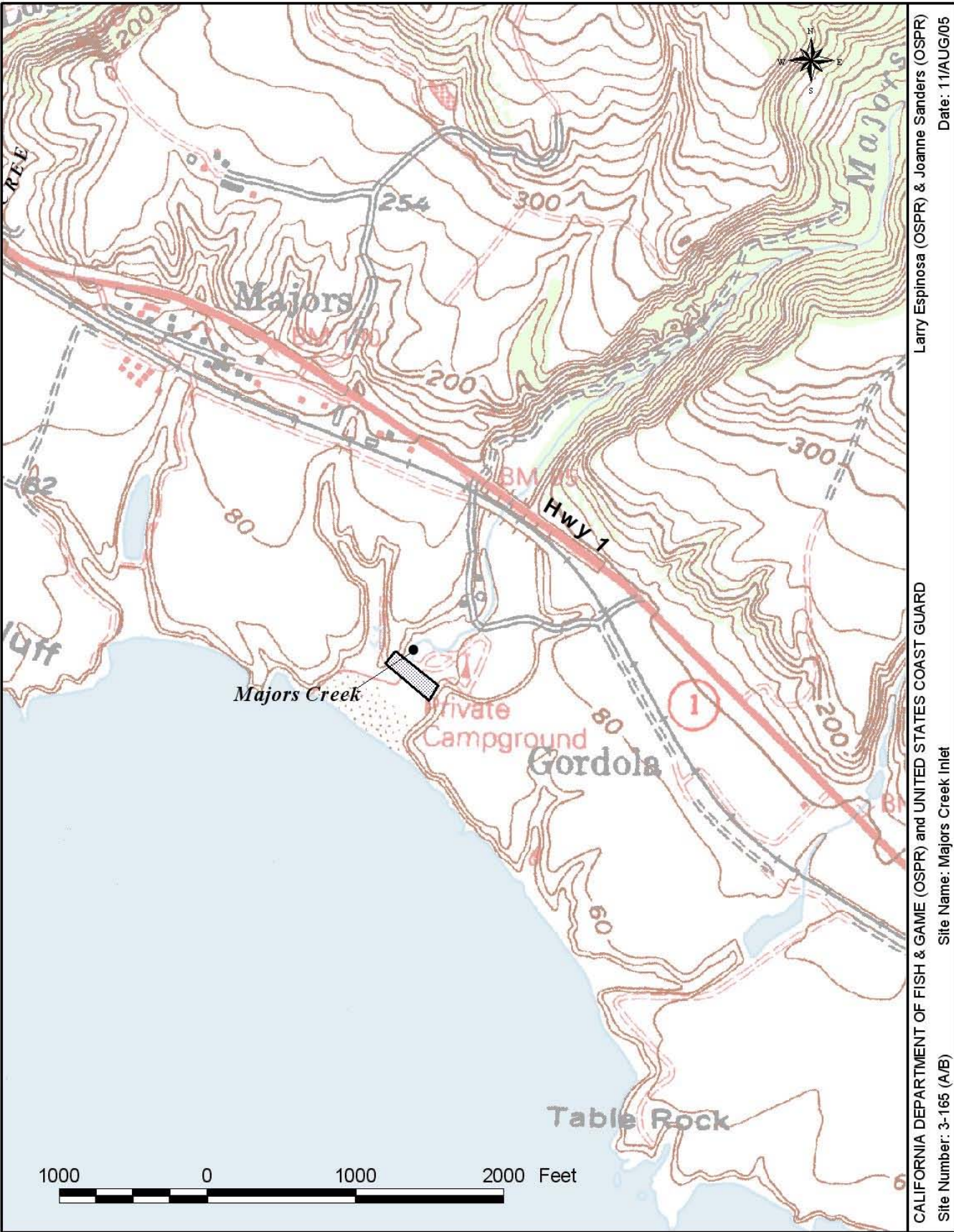
Launching, Loading, Docking

and Services Available:

##### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

##### **COMMUNICATIONS PROBLEMS:**

##### **ADDITIONAL OPERATIONAL COMMENTS:**



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 11/AUG/05  
CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Majors Creek Inlet  
Site Number: 3-165 (A/B)

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
971,991  
NOAA Chart:

Latitude N  
36° 57.7'  
Longitude W  
122° 07.7'

Last Page Update :
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**SITE DESCRIPTION:**

Medium/coarse sandy beach. Heavily used by surfers. Modest marsh in channel behind beach. Northern boundary of Wilder Ranch, common name - Four Mile Beach.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round.

**RESOURCES OF PRIMARY CONCERN**

Coastal sea birds including brown pelicans (endangered), cormorants, and snowy plover.

Sea otters may be present.

Tidewater goby (candidate for federal listing) and steelhead trout in the creek  
Tidewater goby (candidate for federal listing) and steelhead trout in the creek

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org>. Image #s 6513, 6514, 6515, 6516. Gobies last seen in 1984. Possibly extirp

**3-170 -A/B Site Strategy - Baldwin Creek Inlet/Four Mile Beach/Wilder Ranch****3-170 -A/B**

County and Thomas Guide Location

NOAA CHART

Latitude N

Longitude W

**971,991 Santa Cruz**

36° 57.7'

122° 07.7'

**CONCERNS and ADVICE to RESPONDERS:**

Last Page Update :

Coastal sea birds including brown pelicans (endangered), cormorants, and snowy plover. Sea otters may be present. Tidewater goby (candidate for federal listing) and steelhead trout in the creek Tidewater goby (candidate for federal listing) and steelhead trout in the creek

**HAZARDS and RESTRICTIONS:****SITE STRATEGIES****Strategy 3-170.1 Objective: Exclude oil by berming**

ACP DATE

Close off inlet with sediment dike or appropriate equivalent. Note: Sand may be scarce during erosion episodes. COLLECTION POINTS: On south beach, seaward of sediment dike.

**Table of Response Resources**

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-170.1	0	0	0	0	0		0	0	0	581 500 sand bags, 1600' 6" PVC pipe, ATV,	12

**LOGISTICS****DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Access is difficult. From Santa Cruz, take Highway 1 north (toward Half Moon Bay), approximately 4 miles. Turn left onto Coast Road. Turn at your first right into private driveway (5515 Coast Road). Cross railroad tracks and turn left onto dirt road. Veer right into farm field and turn right onto field skirting road. Drive approximately 1/4 mile. Inlet is on the right. NOTE: Farm roads are soft plowed dirt.

**LAND ACCESS:** 4WD**WATER LOGISTICS:**

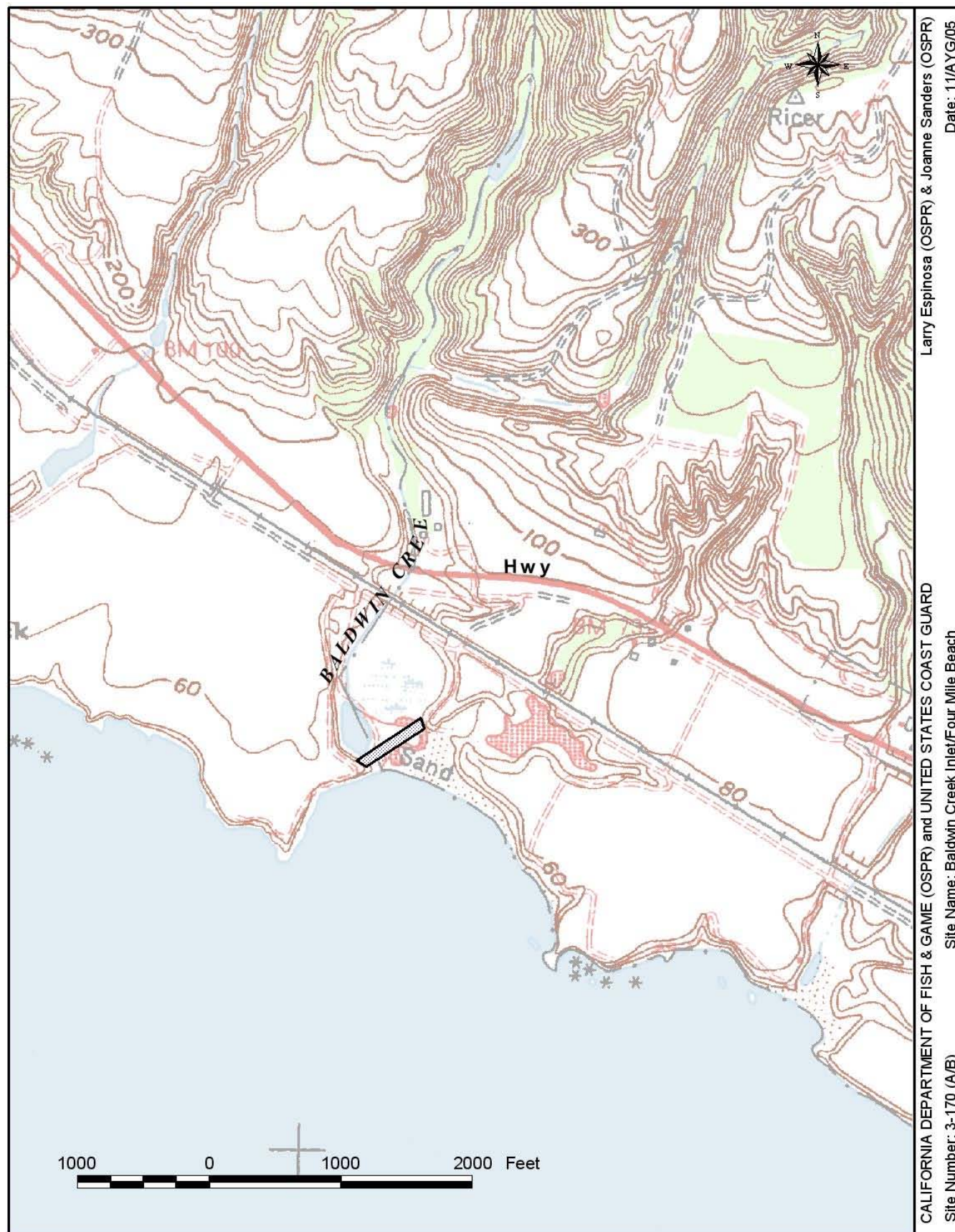
Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:****COMMUNICATIONS PROBLEMS:****ADDITIONAL OPERATIONAL COMMENTS:**





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 11/AYG/05  
CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Baldwin Creek Inlet/Four Mile Beach  
Site Number: 3-170 (A/B)

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

### 3-175 -A Site Summary- Wilder Creek Inlet and Beach

3-175 -A

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
991  
NOAA Chart:

Latitude N  
36° 56.8'  
Longitude W  
122° 04.9'

Last Page Update :

#### SITE DESCRIPTION:

Wilder Creek Natural Preserve. Access is difficult. Areas around beach are high cliffs with few, if any, trails down to the beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round.

#### RESOURCES OF PRIMARY CONCERN

Coastal sea birds including brown pelicans (endangered) and cormorants; shore birds including western snowy plovers (threatened), one of the largest populations in the state. Snowy plover nesting area.

Sea otters may be present.

Steelhead trout.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 580



### 3-175 -A Site Strategy - Wilder Creek Inlet and Beach

County and Thomas Guide Location

NOAA CHART

### 3-175 -A

Latitude N Longitude W

991 Santa Cruz

36° 56.8' 122° 04.9'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Coastal sea birds including brown pelicans (endangered) and cormorants; shore birds including western snowy plovers (threatened), one of the largest populations in the state. Snowy plover nesting area. Sea otters may be present. Steelhead trout in stream.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### COLLECTION POINTS:

On south beach, seaward of sediment dike.

#### Strategy 3-175.1 Objective: Exclude oil by berming

ACP DATE

Close off inlet with sediment dike or appropriate equivalent. Note: Sand may be scarce during erosion episodes.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment No and kinds	staff deploy	Staff tend
3-175.1	0	0	0	0	0		0	0	0		581 500 sand bags, 1600' 6" PVC pipe, ATV,	12	

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access is difficult. From Santa Cruz, take Highway 1 north (toward Half Moon Bay). Turn left at Wilder Ranch State Park. Follow this road to the park Headquarters and ask for further access directions. Areas around beach are high cliffs with few, if any, trails down to the beach.

**LAND ACCESS:** 4WD, Emergency access only. Contact Trustee (State Parks).

##### WATER LOGISTICS:

Limitations: depth, obstruction

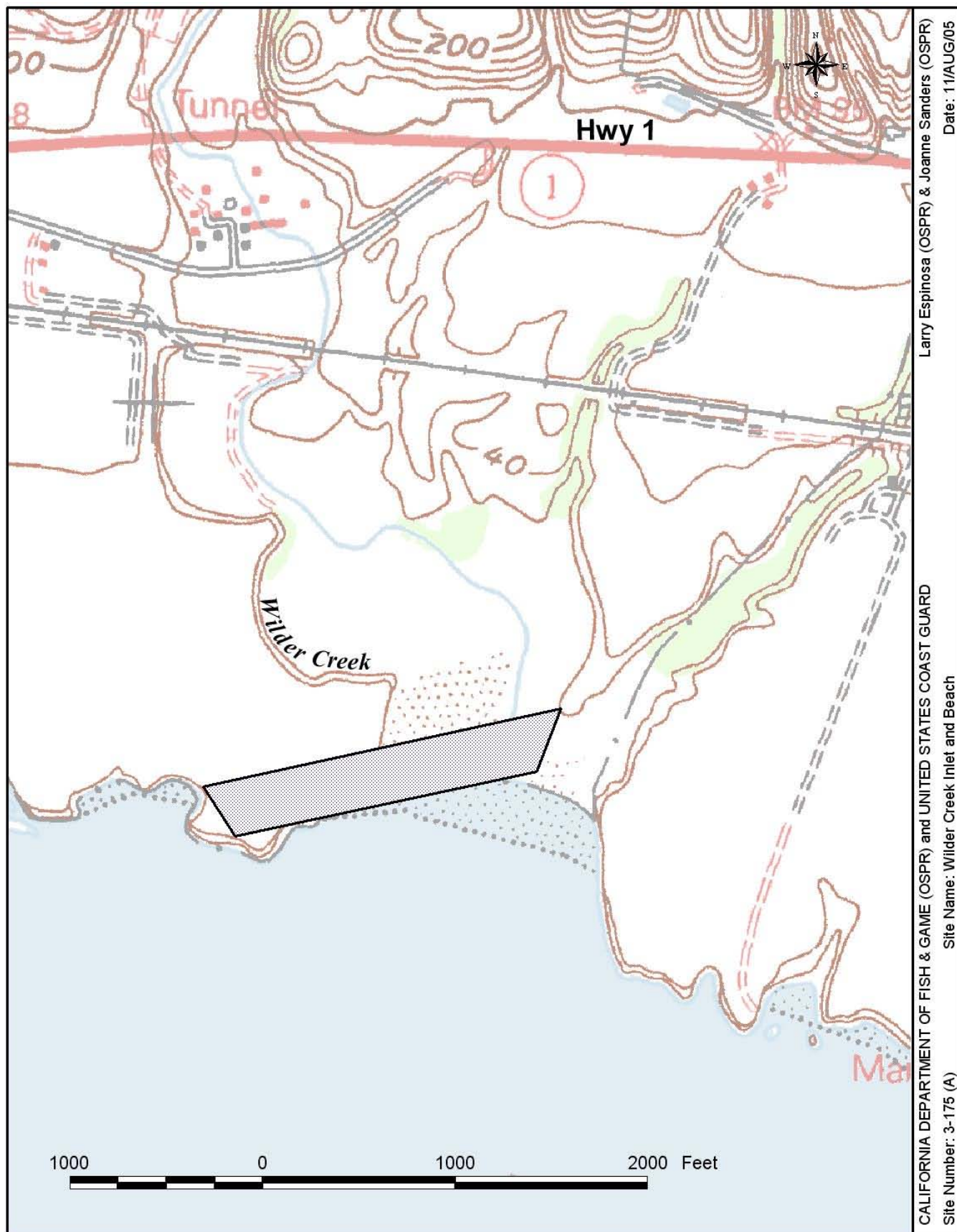
Launching, Loading, Docking

and Services Available:

##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:



CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD

Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)

Date: 11/AUG/05

Site Name: Wilder Creek Inlet and Beach

Site Number: 3-175 (A)

### 3-180 -A/B Site Summary- Offshore Rock N of Terrace Pt

**3-180 -A/B**

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
991  
NOAA Chart:

Latitude N  
36° 56.7'

Longitude W  
122° 04'

Last Page Update :
--------------------

#### **SITE DESCRIPTION:**

Offshore rock with moderate- to high-energy ocean waves

#### **SEASONAL and SPECIAL RESOURCE CONCERN**

Species of concern discussed below are present year round

#### **RESOURCES OF PRIMARY CONCERN**

This is a haulout for moderate numbers of California sea lions.

#### **CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

#### **KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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#### **ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org>. Image #s 6552, 6553

### 3-180 -A/B Site Strategy - Offshore Rock N of Terrace Pt

County and Thomas Guide Location

991 Santa Cruz

NOAA CHART

3-180 -A/B

Latitude N Longitude W

36° 56.7' 122° 04'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

This is a haulout for moderate numbers of California sea lions.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-180.1** **Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

No Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
-----------------	-------------	------------	-----------------	-----------	----------------------------	-----------	--------------	------------------	--------------------------------	--------------	------------

3-180.1

0

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Directions and access: Take Highway 1 north/Mission Street through west Santa Cruz. Just before exiting Santa Cruz, turn left on Swift Street. Take Swift to Delaware and turn right on Delaware. Continue on Delaware to Long Marine Lab property (road name changes to Shaffer Road). Terrace Point has many research institutions, including Long Marine Lab (at end of Shaffer Road). Offshore Rock visible from end of Terrace Point, but access by boat only (launching at Santa Cruz harbor) Offshore rock with moderate- to high-energy ocean waves

**LAND ACCESS:** none

**WATER LOGISTICS:** Water access only. (Launch at Santa Cruz Harbor).

Limitations: depth, obstruction

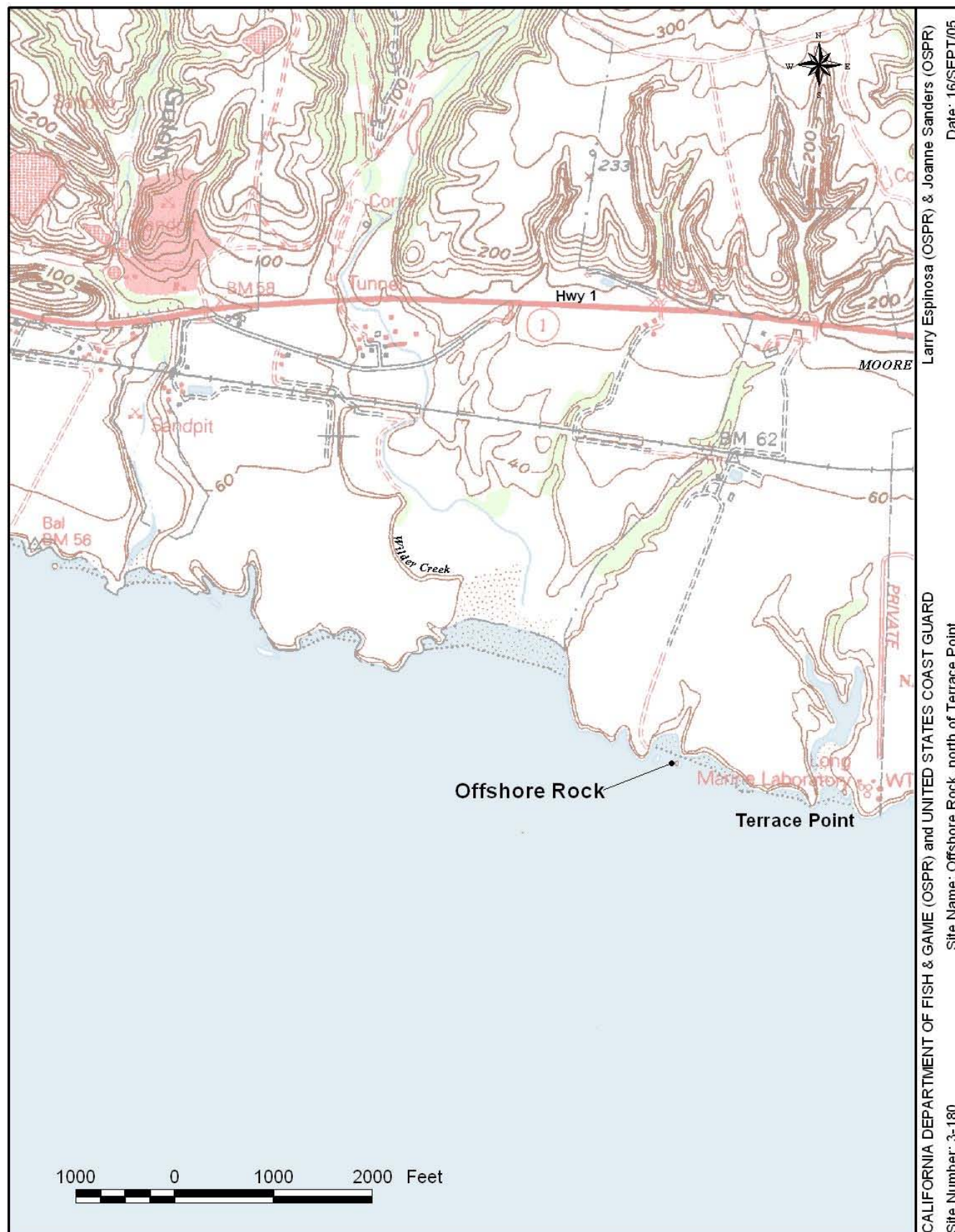
Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**



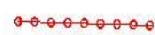
Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)

Date: 16/SEPT/05

CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD

Site Name: Offshore Rock, north of Terrace Point

Site Number: 3-180



Harbor Boom



Swamp Boom



sss / sfs



Sorbent Boom



Other Boom



tsa / sps



Dike or Berm



Excellior Fence



tba/voo



### 3-185 -A/B Site Summary- Terrace Point / Younger Lagoon

3-185 -A/B

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
991  
NOAA Chart:

Latitude N  
36° 56.7'  
Longitude W  
122° 04'

Last Page Update :

#### SITE DESCRIPTION:

Coarse sandy beach protects lagoon. Bar is known to breach during sufficient rainfall events each year (three times in 1993 and once in 1994). Moderate-size dunes present.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Species of concern discussed below are present year round.

#### RESOURCES OF PRIMARY CONCERN

Shorebirds and coastal seabirds. Local breeding cormorants known to roost on cliff. Lagoon heavily used by waterfowl.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

##### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 6552, 6553. Lagoon and surrounding area managed by the Univer

### 3-185 -A/B Site Strategy - Terrace Point / Younger Lagoon

County and Thomas Guide Location

NOAA CHART

991 Santa Cruz

3-185 -A/B

Latitude N Longitude W

36° 56.7' 122° 04'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Shorebirds and coastal seabirds. Local breeding cormorants known to roost on cliff. Lagoon heavily used by waterfowl.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-185.1 Objective: exclude oil from lagoon by berming

ACP DATE

Construct berm by sand bags or equivalent. Underflow piping will be needed if there is outflow.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-185.1	0	0	0	0	0	0	0	0	581 500 sand bags, 1600' 6" PVC pipe, ATV,	12	

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 north/Mission Street through west Santa Cruz. Jus before exiting Santa Cruz, turn left on Swift Street. Take Swift to Delaware and turn right on Delaware. Continue on Delaware to Long Marine Lab property (road name changes to Shaffer Road). Terrace Point has many research institutions, including Long Marine Lab (at end of Shaffer Road). Personnel at Long Marine Lab can guide access to Younger Lagoon.

##### **LAND ACCESS:**

##### **WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

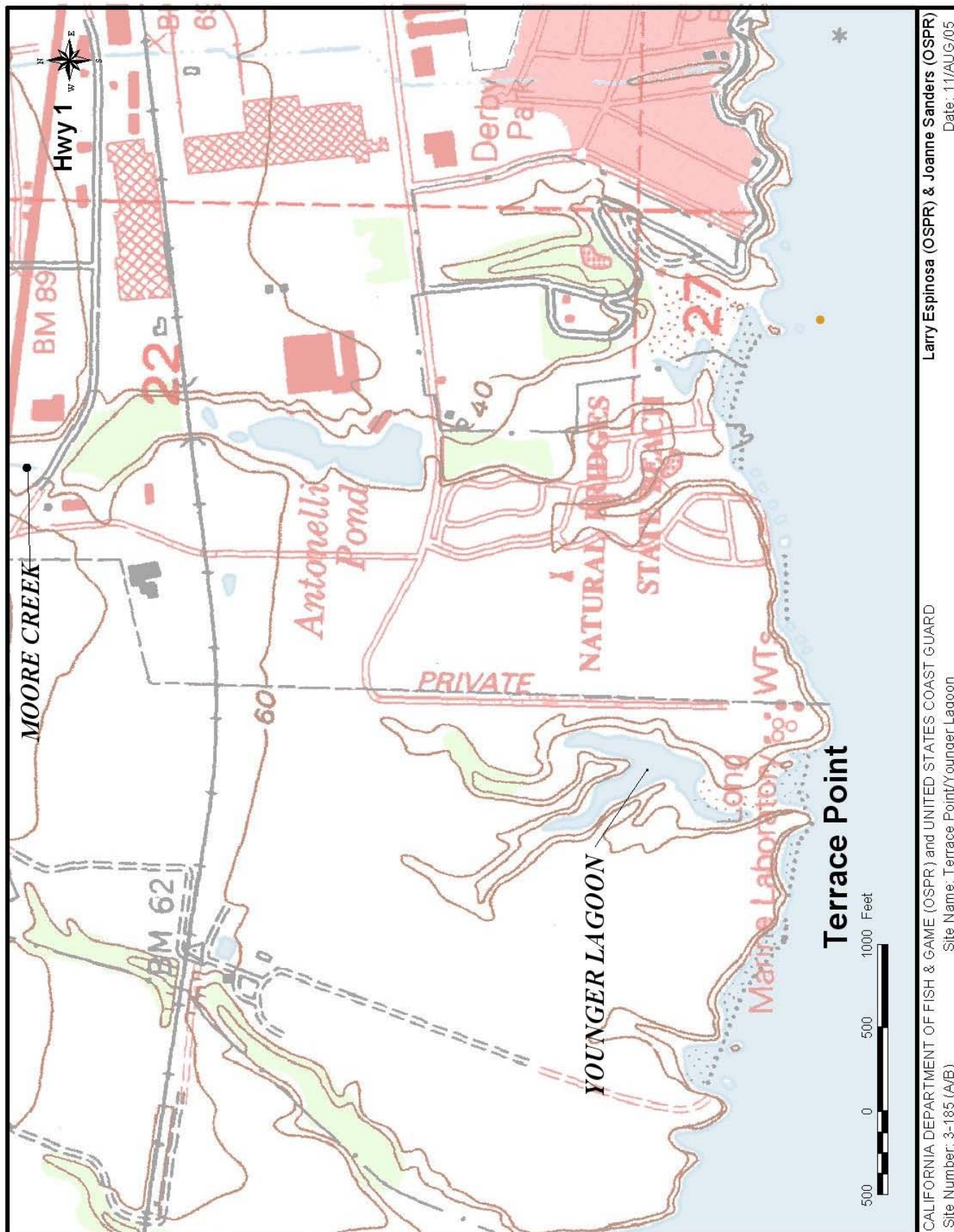
and Services Available:




##### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**




##### **COMMUNICATIONS PROBLEMS:**


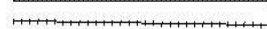

##### **ADDITIONAL OPERATIONAL COMMENTS:**





 Harbor Boom  
 Swamp Boom  
 sss / sfs

 Sorbent Boom  
 Other Boom  
 tsa / sps

 Dike or Berm  
 Excellior Fence  
 tba/voo

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Number: 3-185 (A/B) Site Name: Terrace Point/Younger Lagoon

Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 11/AUG/05

### 3-190 -A/B Site Summary- Moore Creek / Natural Bridges State Park

3-190 -A/B

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
991, 992  
NOAA Chart:

Latitude N  
36° 56.8'  
Longitude W  
122 03.56'

Last Page Update :

#### SITE DESCRIPTION:

Natural Bridges Beach State Park/Moore Creek. Sandy beach and sand-stone bluffs. Rocky platforms located at southwest and arch rock formation on east corner. Moore Creek drains into small marsh on west side, creek mouth to 0.25 mile upstream. Rocky intertidal region adjacent to beach. Resident dwellings nearby.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round.

#### RESOURCES OF PRIMARY CONCERN

Western snowy plovers (threatened), brown pelicans (endangered), black swifts (CDFG species of special concern),

tidewater goby (candidate for federal listing)

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 587, 6561, 6562. High recreation use. Black swifts nest in sea cav

### 3-190 -A/B Site Strategy - Moore Creek / Natural Bridges State Park

3-190 -A/B

County and Thomas Guide Location

NOAA CHART

Latitude N

Longitude W

991, 992 Santa Cruz

36° 56.8'

122 03.56'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Western snowy plovers (threatened), brown pelicans (endangered), black swifts (CDFG species of special concern), tidewater goby (candidate for federal listing).

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-190.1 Objective: Exclude oil by berming

ACP DATE

No Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-190.1									581 500 sand bags, 1600' 6" PVC pipe, ATV,	12	

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 north/Mission Street through west Santa Cruz. Just before exiting Santa Cruz, turn left on Swift Street. Take Swift to Delaware and turn right on Delaware. Turn left on Swanton Blvd., and then right at Crespi Court to enter Natural Bridges State Park. Moore Creek provides very light/seasonal flow at upcoast edge of park, but does not usually flow to ocean.

#### LAND ACCESS:

##### **WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

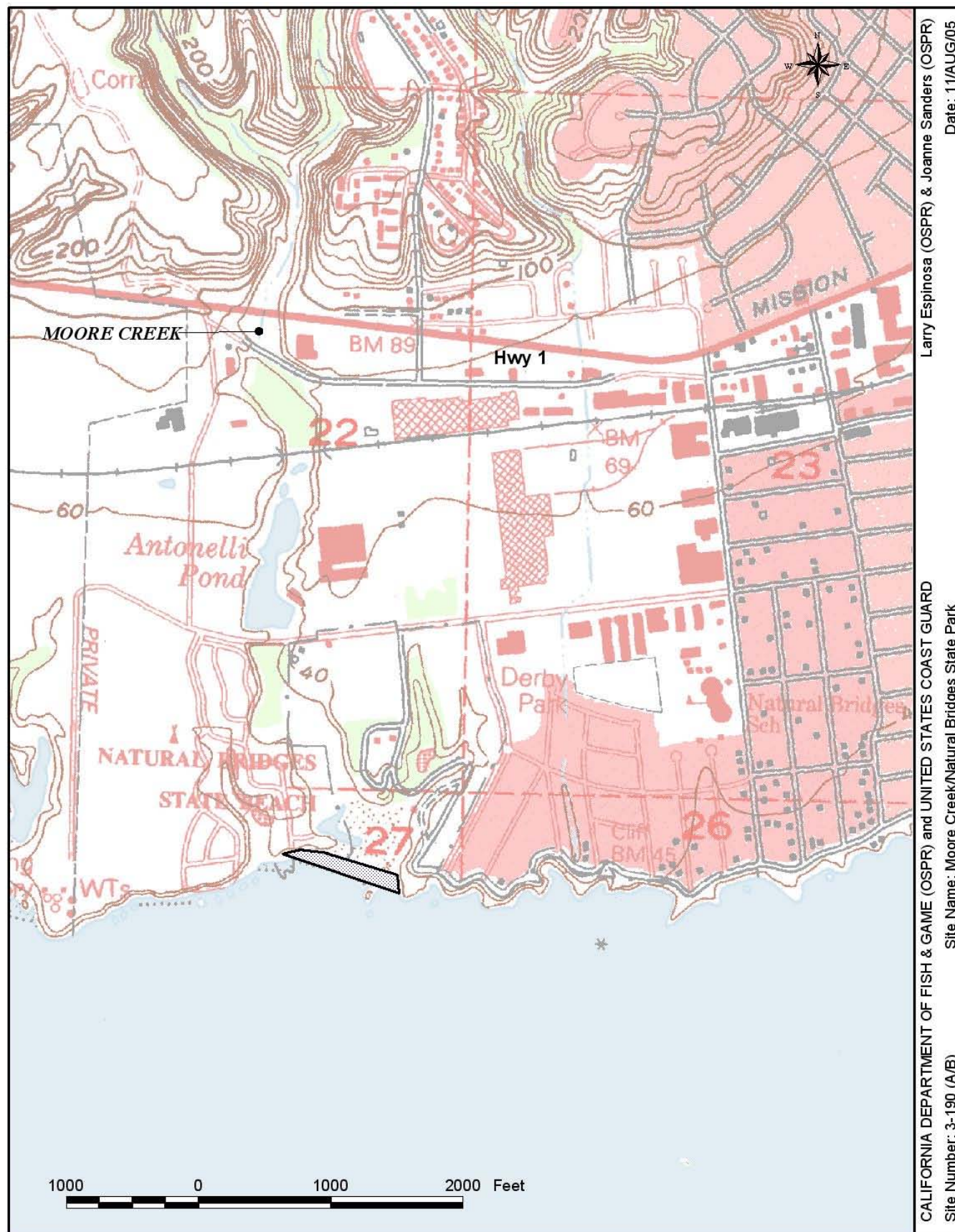
and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:





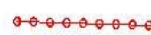
Larry Espinosa (OSPR) & Joanne Sanders (OSPR)

Date: 11/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD

Site Name: Moore Creek/Natural Bridges State Park

Site Number: 3-190 (A/B)



Harbor Boom



Swamp Boom



sss / sfs



Sorbent Boom



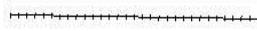
Other Boom



tsa / sps



Dike or Berm



Excellior Fence



tba/voo

## 9871.2 Cultural, Historical, Archeological & Economic Resources

For general information about cultural, historical and archeological resources, and the **Programmatic Agreement on Protection of historic properties during emergency response under the national oil and hazardous substances pollution contingency plan**, please refer to section 9802.1. The table below lists the cultural, historical, archaeological and economic resources for this Geographic Response Area.

### Central Coast Geographic Response Area 1 San Mateo/Santa Cruz County line to Natural Bridges State Park

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
Includes all of this Geographic Sub-Area		E	Monterey Bay National Marine Sanctuary 299 Foam Street, Monterey, CA 93940	Superintendent (831) 647-4201 (831) 647-4260 FAX	N
Lat: 37° 06' 26" N to 36° 56' 53" N		D	Commercial Fishing Grounds (salmon, rockfish, sole, squid, albacore, etc.)	Santa Cruz Fisherman's Marketing Association P.O. Box 2975 Santa Cruz, CA 95062  Tom Canale -- President (831) 426-3640	N
<b>Waddell Creek Inlet</b>	3-110	E	Big Basin Redwoods State Park Recreational area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Waddell Beach</b>	3-110	E	Waddell Creek State Beach  Recreational area Major surfing and wind-surfing area  Parking area nearby that can provide beach access	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Greyhound Rock and inland</b>	3-115	E	Greyhound Rock Beach  Recreational area  Access off Waddell Creek Beach  (Dept. of Fish and Game owns the land but leases it to Santa Cruz County Open Spaces and Cultural Services)	Santa Cruz County Open Space and Cultural Services (831) 454-7900  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Scott Creek Inlet and Molino Creek Inlet</b>	3-130	D	Monterey Bay Salmon and Trout Project 825 Big Creek Road Davenport, CA 95017  Swanton Road is the site of the hatchery. USFWS will have anadromous fishery interests/concerns.	David Streig (831) 458-3095  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)  USFWS (805) 644-1766	N



### Central Coast Geographic Response Area 1, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Davenport Pier (Davenport Landing Road)</b>	3-140	D	U.S. Abalone 245 Davenport Landing Road P.O. Box 2184 Santa Cruz, CA 95083  Mariculture facility 6' diameter concrete fishway Saltwater intake	Dave Ebert (831) 457-2700	N
<b>Davenport Pier, San Vicente Creek, and Davenport Beach</b>	3-140 (for Davenport Pier)  3-145 (for San Vicente Creek/Davenport Beach)	E	Davenport Landing Beach  Recreational area	Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Liddell Creek and Bonny Doon Beach</b>	3-150	E	Bonny Doon Beach  Recreational area	Trust for Public Land (415) 495-5660  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Yellowbank Creek and Beach</b>	3-155	E	Yellowbank Beach  Recreational area	Trust for Public Land (415) 495-5660  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Panther Beach</b>	3-155	E	Panther Beach  Recreational area	Trust for Public Land (415) 495-5660  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Majors Creek Inlet &amp; Red, White and Blue Beach</b>	3-165	E	Red, White and Blue Beach  Recreational area	Private ownership (beach and campground); Owner Edwards.  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)  CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N

### Central Coast Geographic Response Area 1, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Baldwin Creek Inlet, Four Mile Beach, and Wilder Ranch</b>	3-170	E	4-Mile Beach (part of Wilder Ranch State Park)  Major surfing area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Wilder Creek Inlet and Beach</b>	3-175	E	Wilder Ranch State Park  Recreation area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Terrace Point</b>	3-185	D	Long Marine Laboratories (LML) University of California, Santa Cruz Santa Cruz, CA 95064  Saltwater intake and discharge lines; Research Facility (including captive marine mammals); Seymour Discovery Center	Dr. Gary Griggs, Director (831) 459-2464  Long Marine Labs (admin) (831) 459-2883	N
<b>Terrace Point</b>	3-185	D	Office of Spill Prevention and Response Marine Wildlife Veterinary Care and Research Center 1451 Shaffer Road Santa Cruz, CA 95064  Uses saltwater intake and discharge lines of LML; Research facility; Oiled wildlife care	Dr. Dave Jessup (831) 469-1726 (831) 469-1723 (FAX)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	Y
<b>Terrace Point</b>	3-185	D	Oiled Wildlife Care Network Predatory Bird Research Group (Proposed new facility)  Uses saltwater intake and discharge lines of LML; Research facility; Oiled bird care	Brian Walton (831) 588-3884  Oiled Wildlife Care Network Predatory Bird Research Group (831) 459-2466	N

## **9871.21 Other Resources and Species of Concern**

Wildlife in Santa Cruz and Monterey Counties is abundant and diverse. Offshore waters serve as migratory corridors for several whale species. Nearshore waters and coastal marshes are critical components of the Pacific Flyway. Local streams and lagoons support spawning runs of salmon and steelhead. Special status species include southern sea otters, snowy plovers, and brown pelicans.

Both Monterey and Santa Cruz Counties lie within the Monterey Bay National Marine Sanctuary, an indication of the high non-market values placed on living natural resources and their habitats.

Coastal waters support intensive commercial fishing efforts. To counterbalance fishing effort and to not only protect but enhance fish populations, recent state and federal legislation has been signed into law that directs fisheries management agencies to establish Marine Protected Areas. When defined, those new areas will be noted in future revisions of the ACP.

The Monterey Bay Aquarium is a focal point of tourist interest. Sport fishing, SCUBA diving, kayaking and whale-watching are but a few of the many tourist activities dependent upon healthy and abundant wildlife populations.

Monterey Bay is home to several academic and private research institutions, which are home to world-class investigations on a broad spectrum of marine science. These facilities include Long Marine Laboratory (University of California at Santa Cruz), Moss Landing Marine Laboratory (California State University), Monterey Bay Aquarium Research Institute, and Hopkins Marine Station (Stanford University). California State University, Monterey Bay also has an active teaching program and research efforts focused on marine science.

These remarks apply to all GRAs within the area covered by the Central Coast Area Contingency Plan (ACP3).

## **9871.22 Essential Fish Habitat**

[Please see Section 9801.2 for a discussion of this topic.](#)

## **9871.3 Operational Divisions**

Operational Divisions do not necessarily correspond to GRA boundaries. Instead, they reflect a subdivision of Santa Cruz and Monterey county coastline that will enable the Operations Section of the Unified Command to make reasonable crew assignments for effective response. They are presented here, on two maps, one for each county. Specific spill responses may cause alterations of these suggested boundaries.

Please note the Elkhorn Slough Geographic Response Plan (Site 3-310) also contains Operational Divisions, which should be considered subdivisions of the open coast Divisions.

## **9872 GRA 2 Point Santa Cruz to Pajaro River**

### **9872.1 Sensitive Sites**

GRA 2 Map .....	3
Site 3-200 (B) Point Santa Cruz/Lighthouse Field State Beach .....	5
Site 3-205 (A) Santa Cruz Municipal Wharf/Santa Cruz Beach.....	8
Site 3-210 (A) San Lorenzo River Inlet .....	11
Site 3-220 (B) Santa Cruz Harbor entrance .....	15
Site 3-230 (A/B) Schwans Lagoon Inlet.....	19
Site 3-240 (A/B) Corcoran Lagoon Inlet (Rodeo Creek Inlet) .....	22
Site 3-250 (A) Soquel Creek Inlet .....	25
Site 3-260 (C) New Brighton State Beach .....	29
Site 3-270 (A) Aptos Creek Inlet .....	32
Site 3-280 (A) Manresa and Sunset State Beaches.....	36
Site 3-285 (A) Sunset State Beach (south end)/Palm Beach .....	39
Site 3-290 (A) Pajaro River Inlet .....	42

### **9872.2 Cultural, Historical, Archeological & Economic Resources..... 1**

9872.21 Other Resources and Species of Concern

9872.22 Essential Fish Habitat

### **9872.3 Shoreline Operational Divisions..... 1**

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# Central Coast Geographic Sub-Area 2 and Site Strategy Locations



Scale 1:130 000

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County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
992  
NOAA Chart:

Latitude N  
36° 56.9'  
Longitude W  
W

Last Page Update :
--------------------

**SITE DESCRIPTION:**

Rocky headland and small pocket beaches.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Species of concern discussed below are present year round.

**RESOURCES OF PRIMARY CONCERN**

Endangered brown pelicans (endangered), and black swifts (DFG species of special concern) nest here.  
Haulout for moderate numbers of California sea lions.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org>. Image #s 6590. Steamer's Lane important as high-use surfing area (offshore)

### 3-200 -B Site Strategy - Point Santa Cruz / Lighthouse Field State Beach

County and Thomas Guide Location

NOAA CHART

### 3-200 -B

Latitude N Longitude W

992 Santa Cruz

36° 56.9 W

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Endangered brown pelicans (endangered), and black swifts (DFG species of special concern) nest here. Haulout for moderate numbers of California sea lions.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-200.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

No Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
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3-200.1

0

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 north/Mission Street through west Santa Cruz. Turn left onto Bay street and at the ocean (West Cliff Drive) turn right and go upcoast approximately ¾ mile to Pont Santa Cruz. Lighthouse Field State Beach straddles East Cliff Drive. Parking lot at lighthouse, access is by foot via unstable cliffs or a set of stairs a few hundred yards upcoast from the lighthouse

**LAND ACCESS:** Foot only

#### WATER LOGISTICS:

Limitations: depth, obstruction

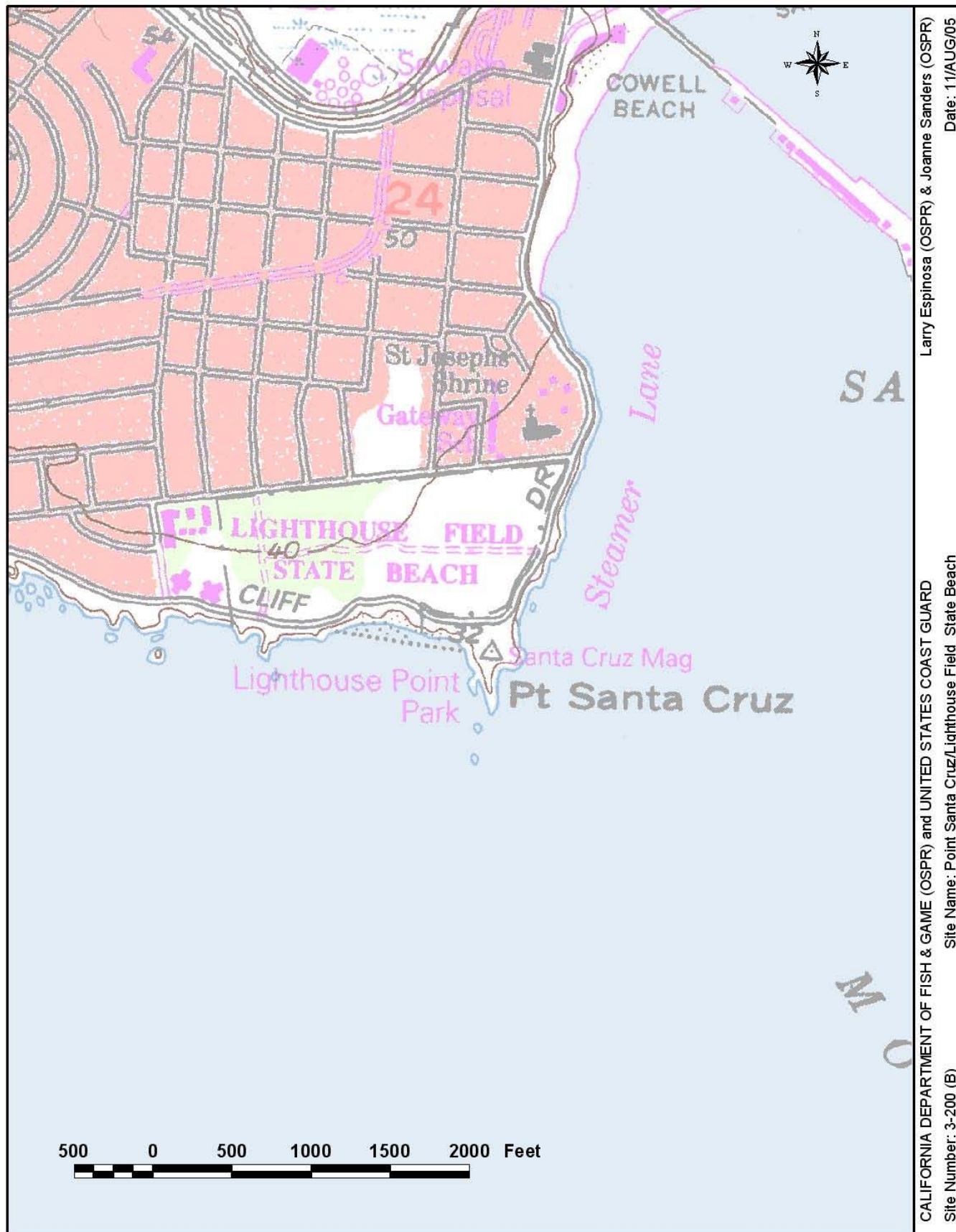
Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
992  
NOAA Chart:

Latitude N  
36° 57.7'  
Longitude W  
122° 01.2'

Last Page Update :
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**SITE DESCRIPTION:**

Long wharf and fishing piers with beach areas on either side. Rocky cliffs short distance away on upcoast side. Area of high recreational use (including surfing, wind-surfing).

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round.

**RESOURCES OF PRIMARY CONCERN**

Brown pelicans (endangered), and black swifts (CDFG species of special concern) nest here.  
Haulout for moderate numbers of California sea lions.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org>. Image #s 6605, 6606, 6607, 6608, 6609. Coast Guard Reserve Lifeguard He

### 3-205 -A Site Strategy - Santa Cruz Municipal Wharf & Santa Cruz Beach

3-205 -A

County and Thomas Guide Location

NOAA CHART

Latitude N Longitude W

992 Santa Cruz

36° 57.7 122° 01.2'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Brown pelicans (endangered), and black swifts (CDFG species of special concern) nest here. Haulout for moderate numbers of California sea lions.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-205.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

No Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
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3-205.1

0

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 north to Santa Cruz, or Highway 17 south to Santa Cruz. From either, take Ocean street (Highway 1 goes around a sharp "fishhook" turn to place you on Ocean Street from the left lane, while Highway 17 south will put you directly on Ocean if you stay in the left lane). Take Ocean to Laurel and turn right. At Front street turn left. Front Street ends at the Santa Cruz Municipal Wharf, with Santa Cruz Beach extending to either side of the Wharf.

**LAND ACCESS:** Large truck

#### WATER LOGISTICS:

Limitations: depth, obstruction

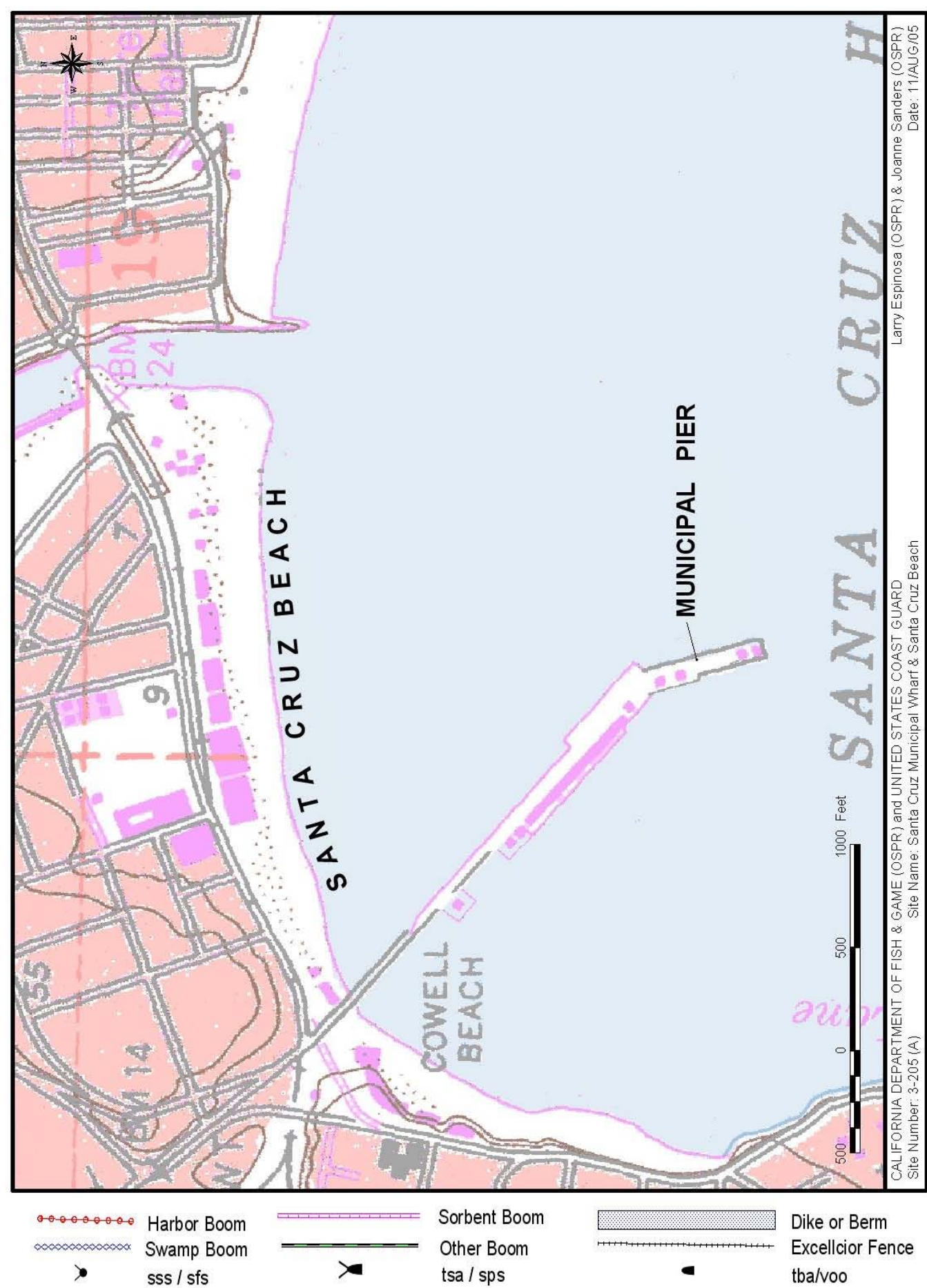
Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**



### 3-210 -A Site Summary- San Lorenzo River Inlet

3-210 -A

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
992  
NOAA Chart:

Latitude N  
36° 57.6'  
Longitude W  
122° 00.8'

Last Page Update :

#### SITE DESCRIPTION:

River mouth maintained as dredged flood-control channel. Open water and sand flats within tidal prism serve as resting habitat for birds and riparian wildlife.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round.

#### RESOURCES OF PRIMARY CONCERN

Coastal seabirds including brown pelicans (endangered); shorebirds.

California sea lions also present.

Anadromous stream with Coho salmon and steelhead trout.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 616, 617, 6613, 6614. Site of Santa Cruz Beach and Boardwalk; hi

### 3-210 -A Site Strategy - San Lorenzo River Inlet

County and Thomas Guide Location

NOAA CHART

### 3-210 -A

Latitude N Longitude W

992 Santa Cruz

36° 57.6 122° 00.8'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Coastal seabirds including brown pelicans (endangered); shorebirds. California sea lions also present. Anadromous stream with Coho salmon and steelhead trout.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-210.1 Objective: Exclude oil by berming

ACP DATE

During optimal conditions (extremely low discharge and moderate surf), every attempt should be made to block entrance to inlet with a sediment dike or appropriate equivalent. Should the dike fail, or conditions not allow dike construction, a series of deflection booms should be employed to divert oil to sandy west bank of river (or east bank if more desirable).

#### COLLECTION POINTS:

##### Strategy 3-210.2 Objective: skimming when skimmable oil quantities are present

ACP DATE

In the event that entrainment occurs during flood tides, a skimmer should be placed in the channel, inland of primary and secondary diversion booms. Shoreside skimming system should be very shallow types (e.g., duck-billed or general dynamic) should be placed on west (or east) shore of river at collection points of primary and secondary diversion booms.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment No and kinds	staff deploy	Staff tend
3-210.1		800			3	Danforth					4E+ 4000 sand bags, 6000' 6" PVC pipe, or e	20	
3-210.2		0	0	0	0		0	1	SSS	0			

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From Santa Cruz, take Highway 1 south to Ocean Avenue off ramp. Follow Ocean Avenue 2 miles and turn right onto San Lorenzo Boulevard. Turn left onto Riverside Avenue. Turn left onto Beach Street, and follow it into the Santa Cruz Boardwalk parking lot. Access east bank via Boardwalk. Beach is hard and can support traffic.

**LAND ACCESS:** 4WD

#### **WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

#### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

#### **COMMUNICATIONS PROBLEMS:**

#### **ADDITIONAL OPERATIONAL COMMENTS:**



# INLET SKETCH MAP SAN LORENZO RIVER

Inlet Name INLET, CA.  
 Recorder(s) MDH/TMM/KH  
 Date/Time 8/NOV.1992; 1615  
 Tide Stage LOW @ 1510(-0.2); CR42  
 Inlet Classification B

## CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

→ XXXXXX →  
 Recommended  
 Oil-Catchment Area

✓ ✓  
 Salt-Water Marsh

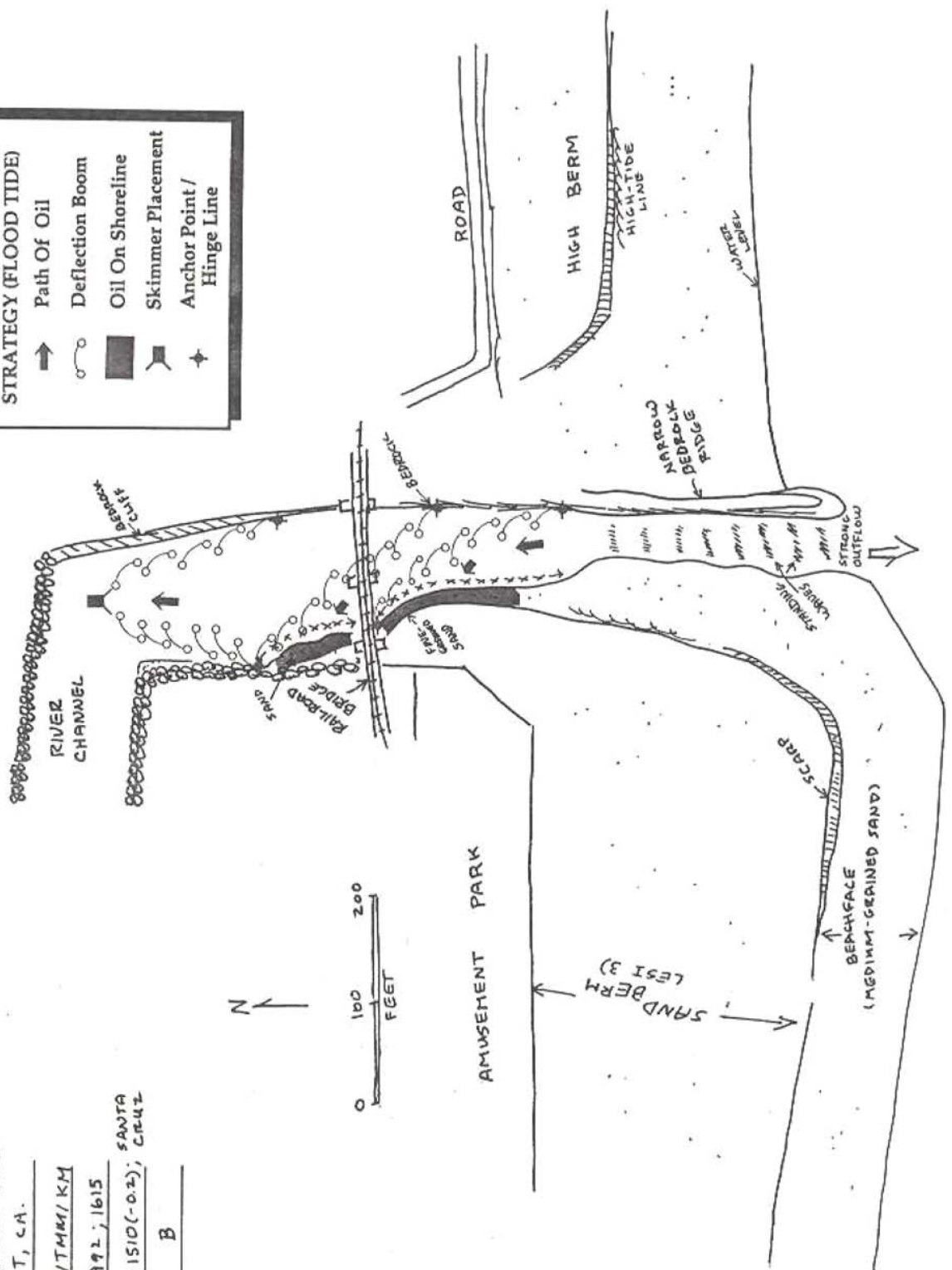
~  
 Fresh-Water Marsh

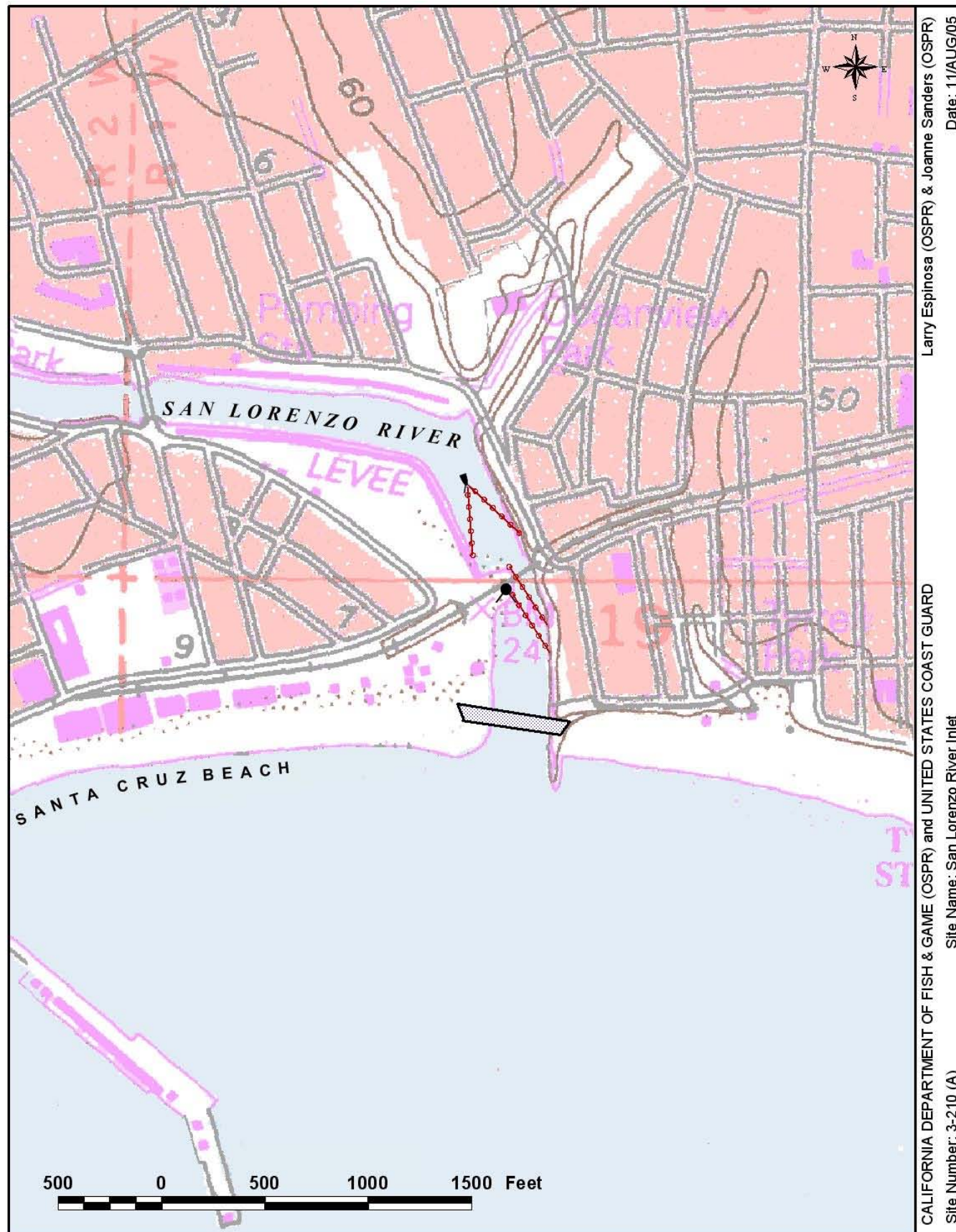
→  
 High-Tide  
 Overwash Zone

~  
 Last High-Tide  
 Swash Line

POTENTIAL PROTECTION  
STRATEGY (FLOOD TIDE)

- Path Of Oil
- Deflection Boom
- Oil On Shoreline
- ⌋ Skimmer Placement
- ✦ Anchor Point /  
Hinge Line





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 11/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: San Lorenzo River Inlet  
Site Number: 3-210 (A)

### 3-220 -B Site Summary- Santa Cruz Harbor Entrance

3-220 -B

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
992  
NOAA Chart:

Latitude N  
36° 57.5'

Longitude W  
122° 00.2'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Santa Cruz Harbor entrance (also known as Woods Lagoon).

#### SEASONAL and SPECIAL RESOURCE CONCERN

#### RESOURCES OF PRIMARY CONCERN

Coastal seabirds including brown pelicans (endangered) and cormorants; shore birds including plovers and sandpipers.

Sea otters may be present

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 6621, 6622, 6623. Small craft harbor with 960 berths, three boat ra

### 3-220 -B Site Strategy - Santa Cruz Harbor Entrance

County and Thomas Guide Location

NOAA CHART

### 3-220 -B

Latitude N Longitude W

992 Santa Cruz

36° 57.5' 122° 00.2'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Objective is to exclude oil from harbor. In addition to a variety of sea birds and shorebirds, sea otters may be present; wildlife disturbances should be minimized.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-220.1 Objective: Exclude oil from harbor entry

ACP DATE

Set harbor boom in V-shape just inside harbor entrance (~1500') and another 2 parallel lines of (500'each) of harbor boom slantwise from east end of launch ramp to opposite side of harbor to protect berthed boats in harbor.

##### Strategy 3-220.2 Objective: protection booming of jetty

ACP DATE

Place Texas (intertidal) boom (200') on north side of jetty to protect rip-rap.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment No and kinds	staff deploy	Staff tend
3-220.1	2500				7	Danforth	3	1	SPS	0		11	
3-220.2	0	0	200 TBB	0	0		0	1	0	0		4	

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Take Highway 1 north toward Santa Cruz. Take Soquel Drive (if going north on highway) or Soquel Avenue (if going south) exit. Need to be on west side of Highway 1, so if taking Soquel Drive, turn left at the stoplight to cross back over the highway. The road changes its name from Soquel Drive to Soquel Avenue at the overcrossing. Once over the highway, proceed north on Soquel Avenue to 7th Avenue and turn left. About 1 mile along 7th, turn right onto Brommer if you want to go to the upper end of the Santa Cruz Harbor. To get to the other side of the harbor, stay on Eaton (changes name to East Cliff Drive), turn left on Seabright, left on Atlantic, left on Mariner. To get to the lower end (harbor mouth), stay on 7th Avenue to Eaton. Turn right on Eaton, left on 5th Avenue. Entrances to harbor parking lots will be on the right.

**LAND ACCESS:** large truck

**WATER LOGISTICS:** Launching, Docking, Loading, fuel available. Harbor may silt

Limitations: depth, obstruction

Launching, Loading, Docking in at times.

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:

# INLET SKETCH MAP

SANTA CAUL HARBOR

Inlet Name ENTRANCE, LA.

Recorder(s) MCH/THM/KM

Date/Time 8 NOV. 1992, 1540

Tide Stage LOW @ (SID(-0.2)), CAUL

Inlet Classification B

MODIFIED 27 JUNE 2008 LRE

## CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

XXXXXXX →

Recommended Oil-Catchment Area

X X

Salt-Water Marsh



Fresh-Water Marsh



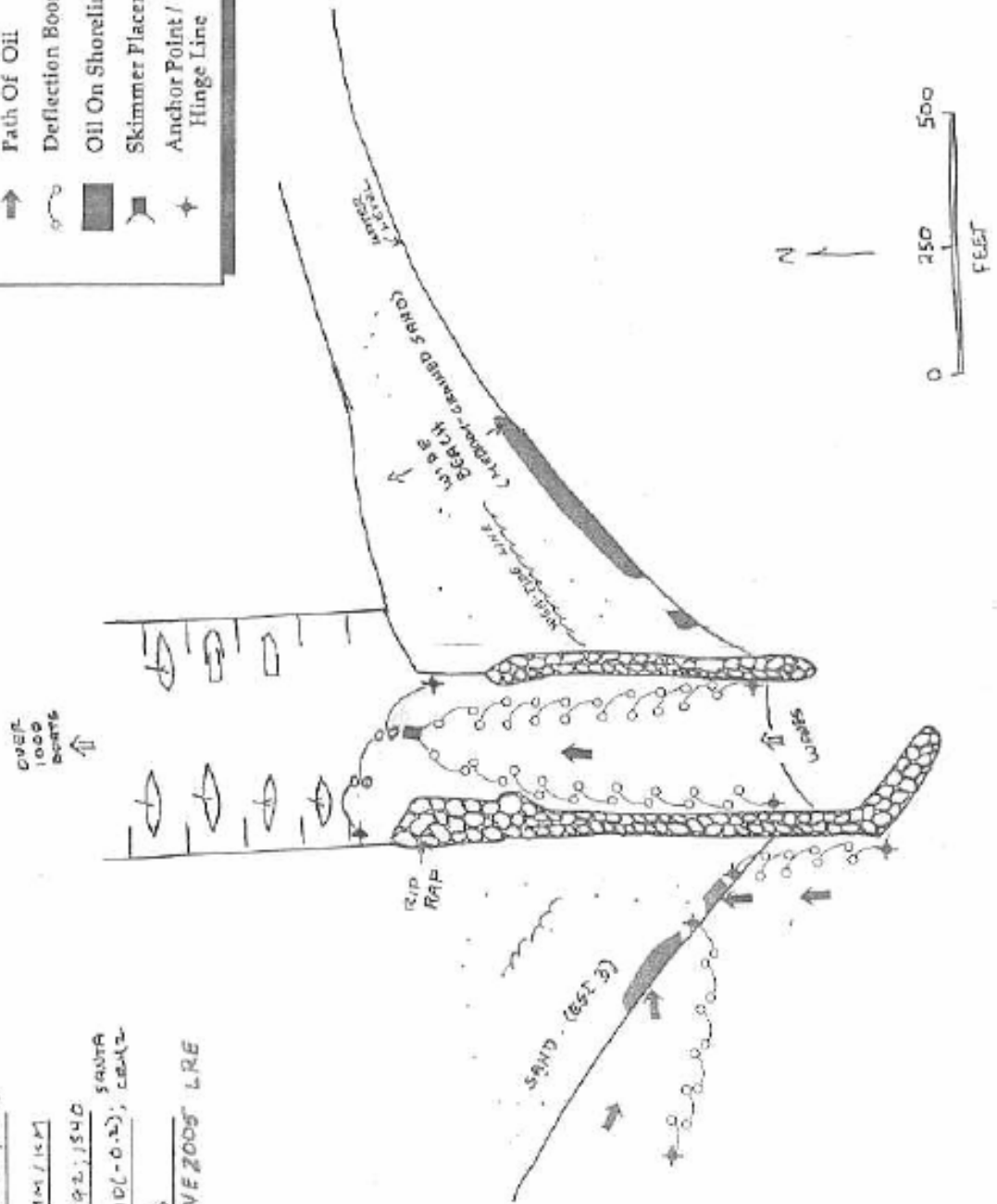
High-Tide Overwash Zone



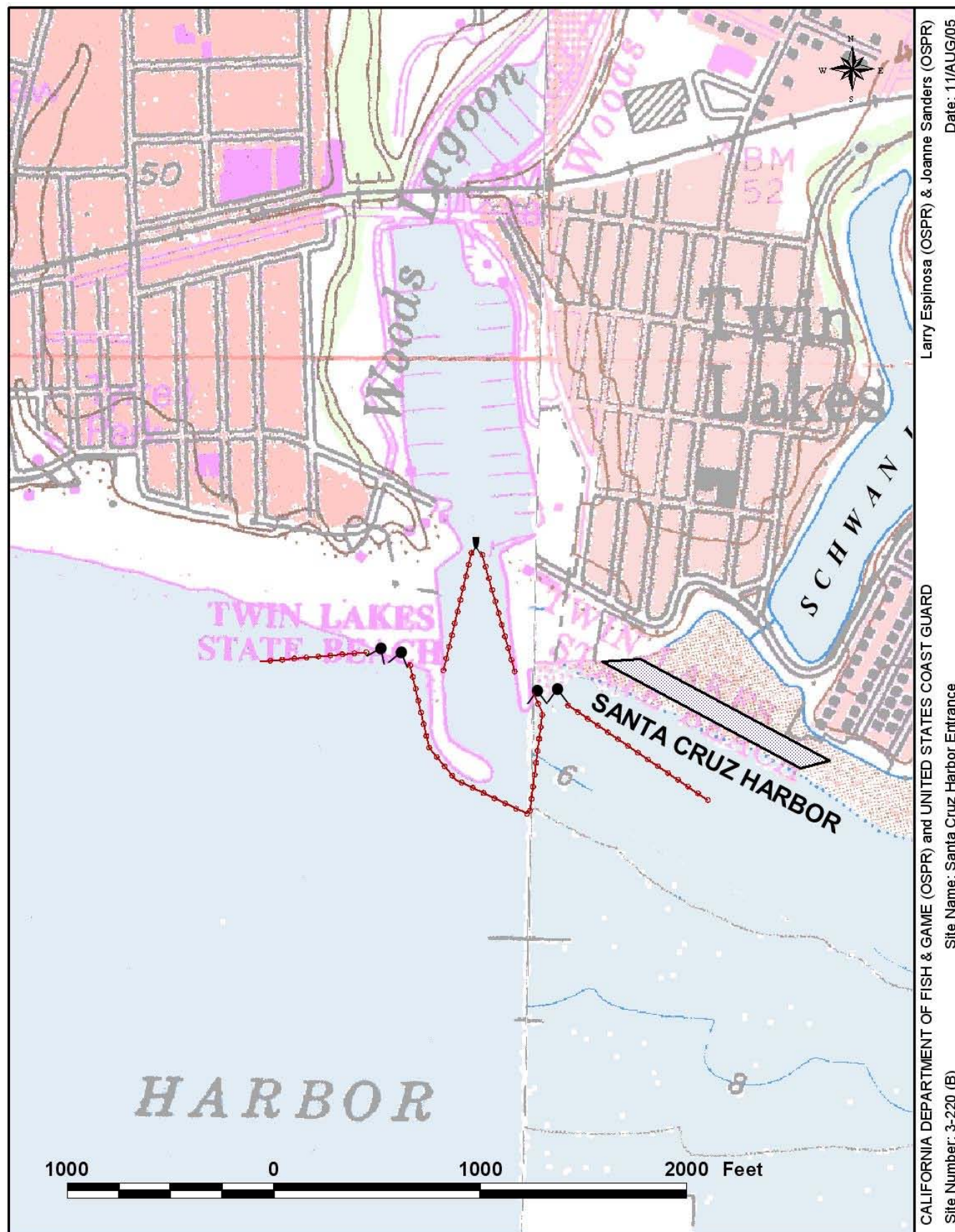
Last High-Tide Swash Line

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

- Path Of Oil
- ~ Deflection Boom
- Oil On Shoreline
- ⌋ Skimmer Placement
- ✦ Anchor Point / Hinge Line







Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)

Date: 11/AUG/05

CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD

Site Name: Santa Cruz Harbor Entrance

Site Number: 3-220 (B)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

### 3-230 -A/B Site Summary- Schwans Lagoon Inlet & Woods Lagoon

3-230 -A/B

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
992  
NOAA Chart:

Latitude N  
36° 57.5'  
Longitude W  
122° 0'

Last Page Update :

#### SITE DESCRIPTION:

Freshwater marsh inland of bridge with a minor fringing marsh on the seaward side of bridge. This is a B priority during summer months

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round.

#### RESOURCES OF PRIMARY CONCERN

Shore birds and coastal sea birds including brown pelicans (endangered) and double-crested cormorants(winter roosting area).

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 200401470, 200401471. Site of Twin Lakes State Beach, high recr

### 3-230 -A/B Site Strategy - Schwans Lagoon Inlet & Woods Lagoon

County and Thomas Guide Location

NOAA CHART

### 3-230 -A/B

Latitude N Longitude W

36° 57.5' 122° 0'

992 Santa Cruz

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Concern here is oil entering the lagoon and damaging the lagoon, marshy margins, and the water birds which gather here. Minimize disturbance of wildlife and disturbance of vegetation.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-230.1 Objective: exclusion by dike and boom

ACP DATE

Block entrance with 500 foot sediment dike. Plug up three culverts to prevent oil from flowing into the lagoon. During severe storm-surge conditions, the sediment dike should be built to a height to prevent water entering into the entrance. Medium-grained sand available seaward of culverts.

Establish deflection booms along each jetty in order to divert oil to skimmer in midchannel. Flood currents should be relatively weak.

Set up deflection booms to divert any oil coming onshore (from east or west) to the medium-grained sand beaches that flank the jetties. Advise UC of skimming opportunities east or west of the jetties.

##### Strategy 3-230.2 Objective: Exclude oil by berming Schwans Lagoon Inlet

ACP DATE

Block entrance with 500 foot sediment dike. Plug up three culverts to prevent oil from flowing into the lagoon. During severe storm-surge conditions, the sediment dike should be built to a height to prevent water entering into the entrance. Medium-grained sand available seaward of culverts.

##### Strategy 3-230.3 Objective: exclusion to collection in throat of harbor

ACP DATE

Establish deflection booms along each jetty in order to divert oil to skimmer in midchannel. Flood currents should be relatively weak.

##### Strategy 3-230.4 Objective: Deflection to skimmers at outside shoreline

ACP DATE

Set up deflection booms to divert any oil coming onshore (from east or west) to the medium-grained sand beaches that flank the jetties. Advise UC of skimming opportunities east or west of the jetties.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment No and kinds	staff deploy	Staff tend
3-230.1	2600	1300	0	0	11	6 large and 5 medium Danforths	0	0	0		750 sand baqs. 400' 6" PVC pipe, or equi		
3-230.2											750 sand baqs. 400' 6" PVC pipe, or equi	16	
3-230.3		1300	0	0	6	25#+	0	1	1	SPS / SF	0		3
3-230.4	2600	0	0	0	6	25#+	1	0	0		0		

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Santa Cruz, take Highway 1 south to Soquel Drive off ramp. Turn right onto Soquel Avenue. Head west on Soquel Avenue 2 stoplights and turn left onto 7th Avenue. Follow 7th Avenue to the beach. Schwan Lake is a left turn at beach (Portola Drive).

**LAND ACCESS:** large truck; earth-moving equipment

##### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

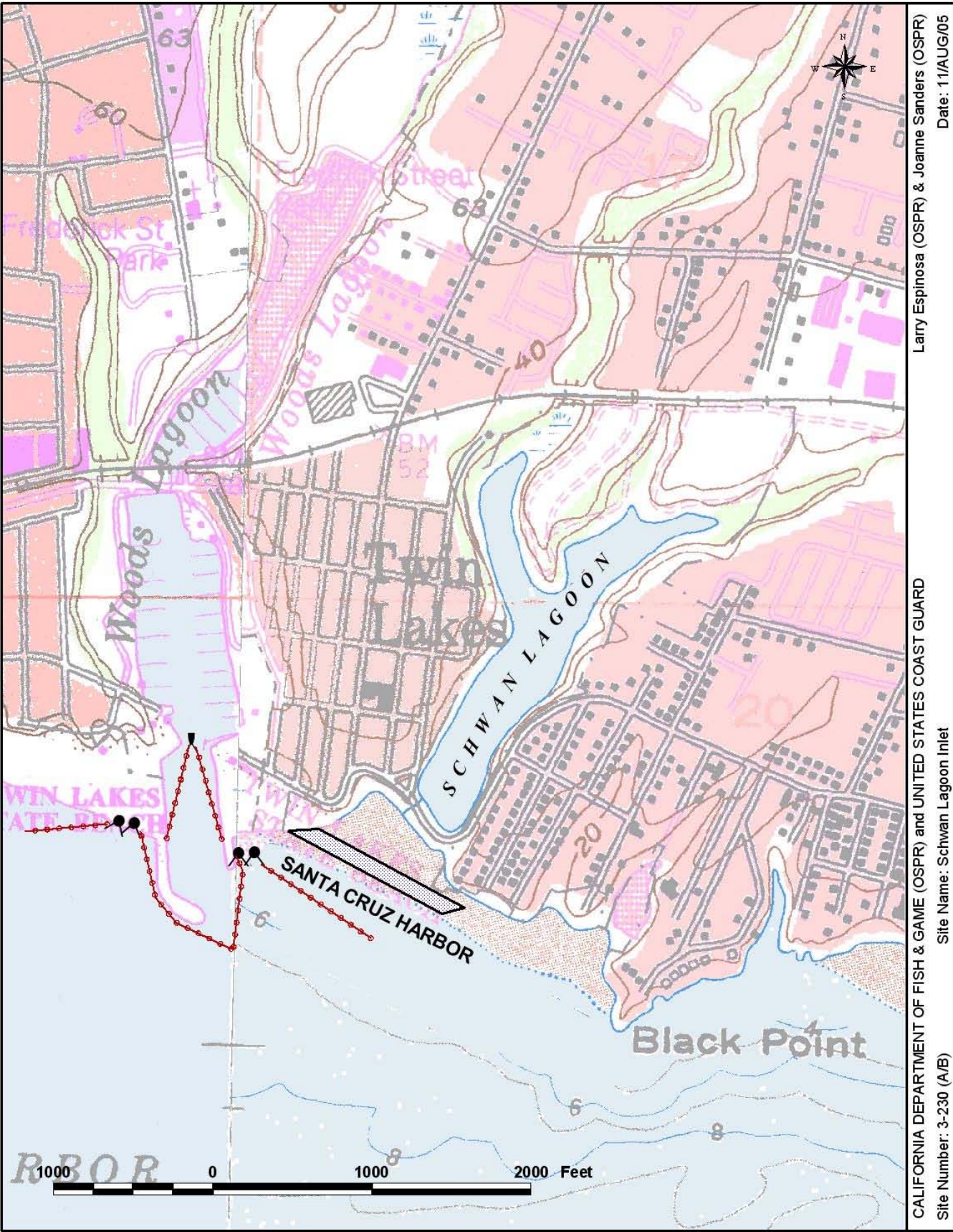
##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Santa Cruz Harbor

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:





California Department of Fish & Game (OSPR) and United States Coast Guard  
Site Name: Schwans Lagoon Inlet  
Site Number: 3-230 (A/B)  
Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 11/AUG/05

- |             |              |                 |
|-------------|--------------|-----------------|
| Harbor Boom | Sorbent Boom | Dike or Berm    |
| Swamp Boom  | Other Boom   | Excellior Fence |
| sss / sfs   | tsa / sps    | tba/voo         |

### 3-240 -A/B Site Summary- Corcoran Lagoon Inlet (Rodeo Creek Inlet)

3-240 -A/B

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
992  
NOAA Chart:

Latitude N  
36° 57.4'  
Longitude W  
121° 59.2'

Last Page Update :

#### SITE DESCRIPTION:

Lagoon inland of inlet.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Species of concern discussed below are present year round. This is a B priority during summer months (i.e., during periods of low or no flow, or lower tides)

#### RESOURCES OF PRIMARY CONCERN

Shore birds and coastal sea birds including cormorants, brown pelicans (endangered), pied-billed grebes and bufflehead.

Tidewater goby (candidate for federal listing) inhabit the creek.

Littleneck clams on sandy beach.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 200401484, 200401485. Private marsh. Next major point downco



### 3-240 -A/B Site Strategy - Corcoran Lagoon Inlet (Rodeo Creek Inlet)

3-240 -A/B

County and Thomas Guide Location

NOAA CHART

Latitude N Longitude W

992 Santa Cruz

36° 57.4' 121° 59.2'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Shore birds and coastal sea birds including cormorants, brown pelicans (endangered), pied-billed grebes and bufflehead. Tidewater goby (candidate for federal listing) inhabit the creek. Littleneck clams on sandy beach.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### COLLECTION POINTS:

On southeast beach, seaward of sediment dike. Access from 21st Avenue Dead End.

#### Strategy 3-240.1 Objective: Exclude oil by berming

ACP DATE

Close off with a 300' sediment dike (medium-grained sand). It may be difficult to close inlet after period of prolonged erosion or during periods of high runoff.

#### Strategy 3-240.2 Objective: High outflows repulse oil inflow: Assess

ACP DATE

If water is flowing out of stream quick enough to prevent oil from entering, no berming or booming is necessary. Assess and monitor to verify the persistence of the outflow.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-240.1									0 750 sand bags, 800' 6" PVC pipe, or equi	15	
3-240.2	0	0	0	0	0		0	0 0	0		2

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From Santa Cruz, take Highway 1 south to Soquel Drive off ramp. Turn left at stop sign at end of exit ramp. Turn right on 17th Avenue. Continue straight to intersection of 17th with Cliff Drive (to right) and Portola Drive (to left). Turning left onto Portola will take you to the back side of Corcoran. Continuing from intersection of 17th/Cliff down to East Cliff (via 18th) and then left on East Cliff will take you to seaward side of Corcoran Lagoon. Cliff Drive runs over the Rodeo Creek Inlet.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

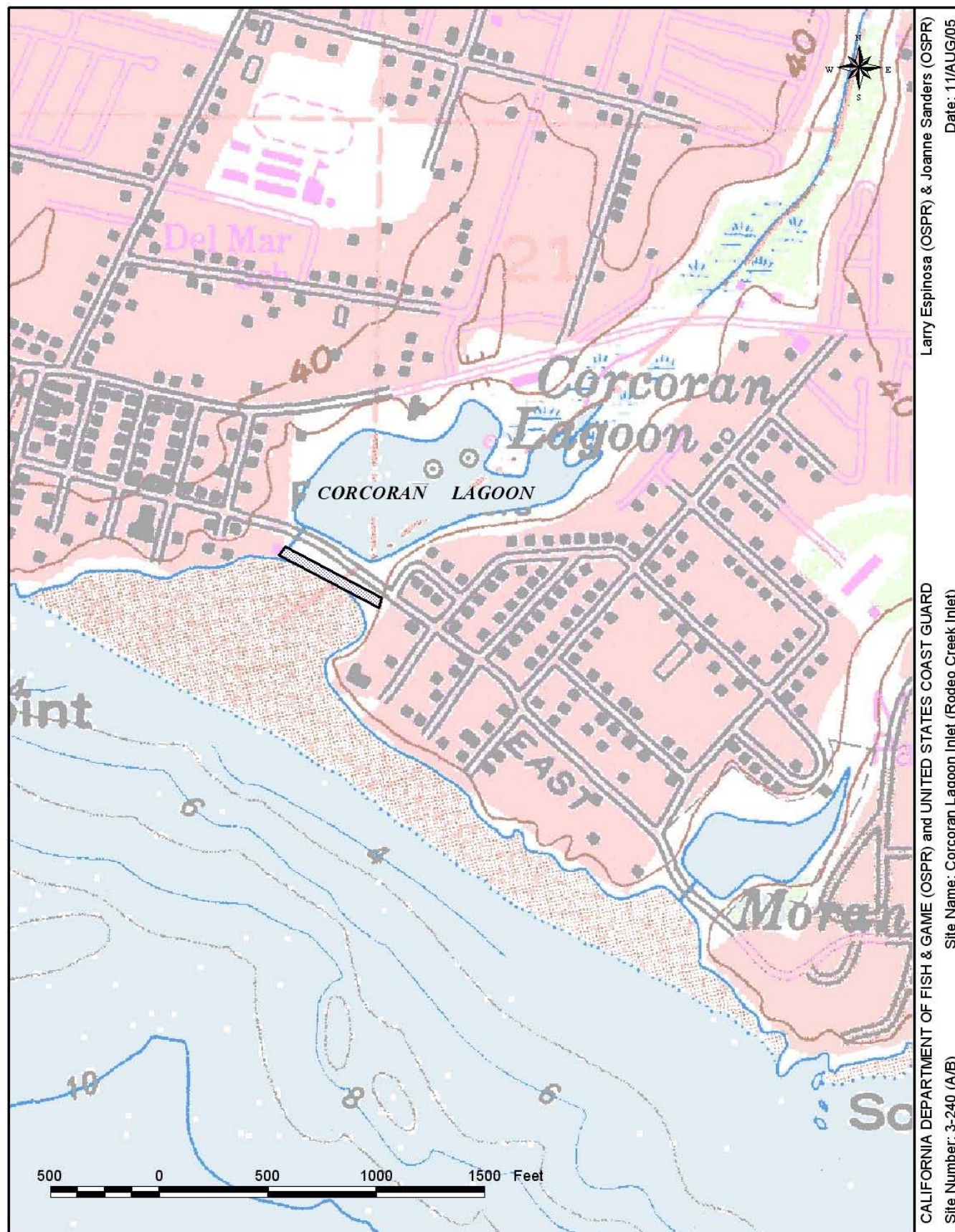
Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



### 3-250 -A Site Summary- Soquel Creek Inlet

3-250 -A

County: **Santa Cruz**  
USGS Quad: **Santa Cruz**

Thomas Guide Location  
973  
NOAA Chart:

Latitude N Longitude W  
36° 58.2' 121° 56.8'

Last Page Update :

#### SITE DESCRIPTION:

Creek mouth and lagoon in heavily urbanized area. Recreational beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round.

#### RESOURCES OF PRIMARY CONCERN

Shore birds and coastal sea birds including cormorants and brown pelicans (endangered). Lagoon provides winter habitat for mallards, grebes, coots and gulls.

The creek supports an important steelhead trout run.

A plant species, Mimic tryonia, inhabits the lagoon.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 7220095. High recreational use: Capitola City Beach and Esplanad

### 3-250 -A Site Strategy - Soquel Creek Inlet

County and Thomas Guide Location

NOAA CHART

973 Santa Cruz

### 3-250 -A

Latitude N Longitude W

36° 58.2 121° 56.8'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Shore birds and coastal sea birds including cormorants and brown pelicans (endangered). Lagoon provides winter habitat for mallards, grebes, coots and gulls. The creek supports an important steelhead trout run. A plant species, Mimic tryonia, inhabits the lagoon.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-250.1 Objective: Exclude oil by berming

ACP DATE

This inlet can probably be closed with a sediment dike (medium-grain sand about 300 feet long). If the inlet cannot be closed, use deflection boom to divert oil to the sandy area on the west side of the channel. Assess and advise UC for skimmable oil.

##### Strategy 3-250.2 Objective: shoreside skimming when skimmable oil is present.

ACP DATE

Divert oil to west side of channel (near highway bridge), for shoreside skimming and/or collection.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-250.1		100			4 2 Stakes or 2 Danforth as needed			0	1000 sand bags, 2000' 6" PVC pipe, or e	15	
3-250.2	0	300	0	0	4 stakes and anchors	0	0	1 SSS	0		2

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From Santa Cruz, take Highway 1 south to Bay Avenue off ramp in Capitola. Turn right onto Bay Avenue. Continue on Bay Avenue and turn right onto Capitola Avenue. Turn right onto Stockton Avenue. Turn left onto Esplanade, and follow to parking lot.

**LAND ACCESS:** Large trucks. Earthmoving equipment

##### **WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

##### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

##### **COMMUNICATIONS PROBLEMS:**

##### **ADDITIONAL OPERATIONAL COMMENTS:**



# INLET SKETCH MAP

SOQUEL RIVER

Inlet Name INLET, CA.

Recorder(s) MOH/TMH/KM

Date/Time 8 NOV. 1992, 1415

Tide Stage LOW @ 1510 (-0.2) ; CRU2. SANTA CRUZ

Inlet Classification C

## CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

XXXXXXX  
Recommended Oil-Catchment Area

✓ ✓

Salt-Water Marsh



Fresh-Water Marsh



High-Tide Overwash Zone



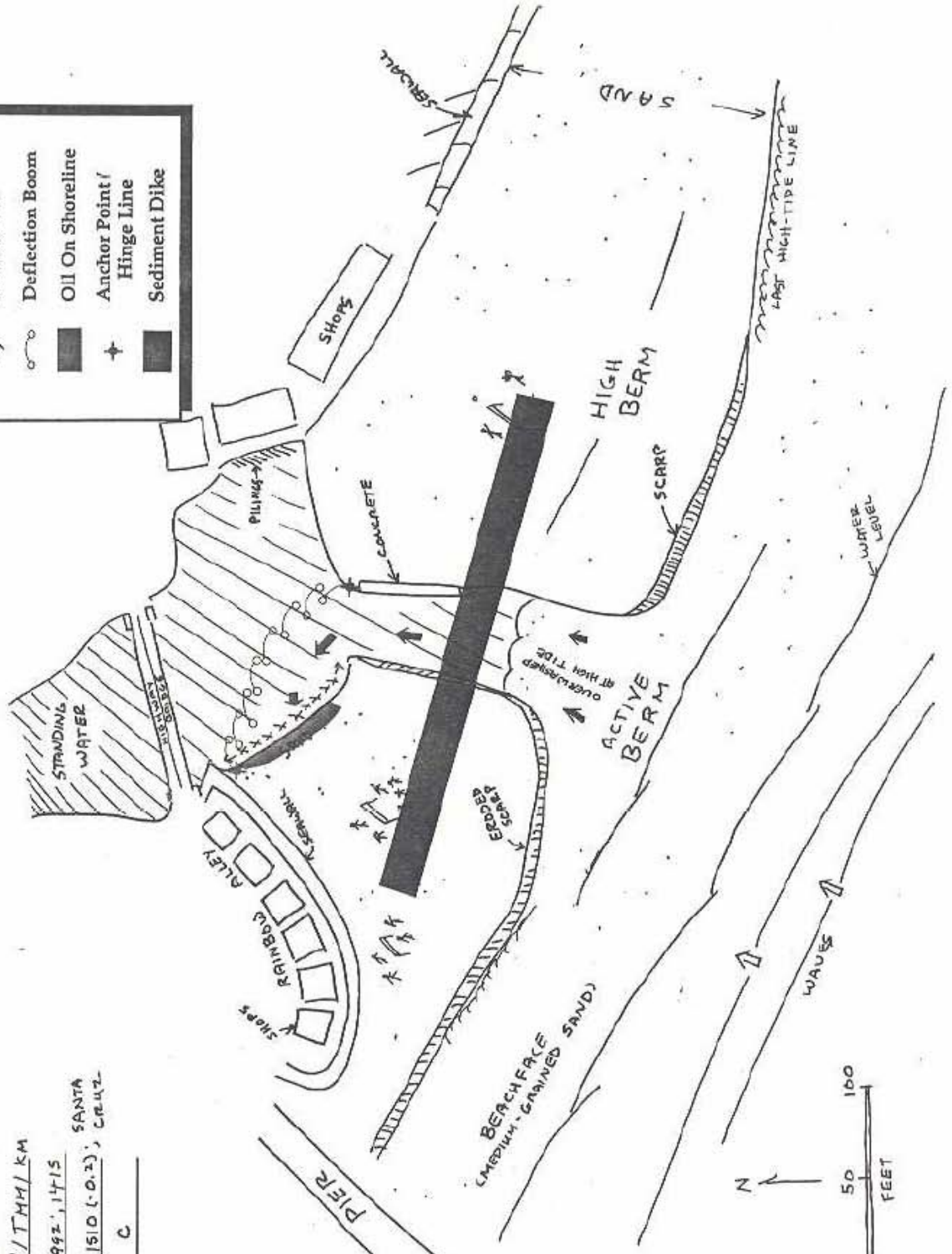
Last High-Tide Swash Line

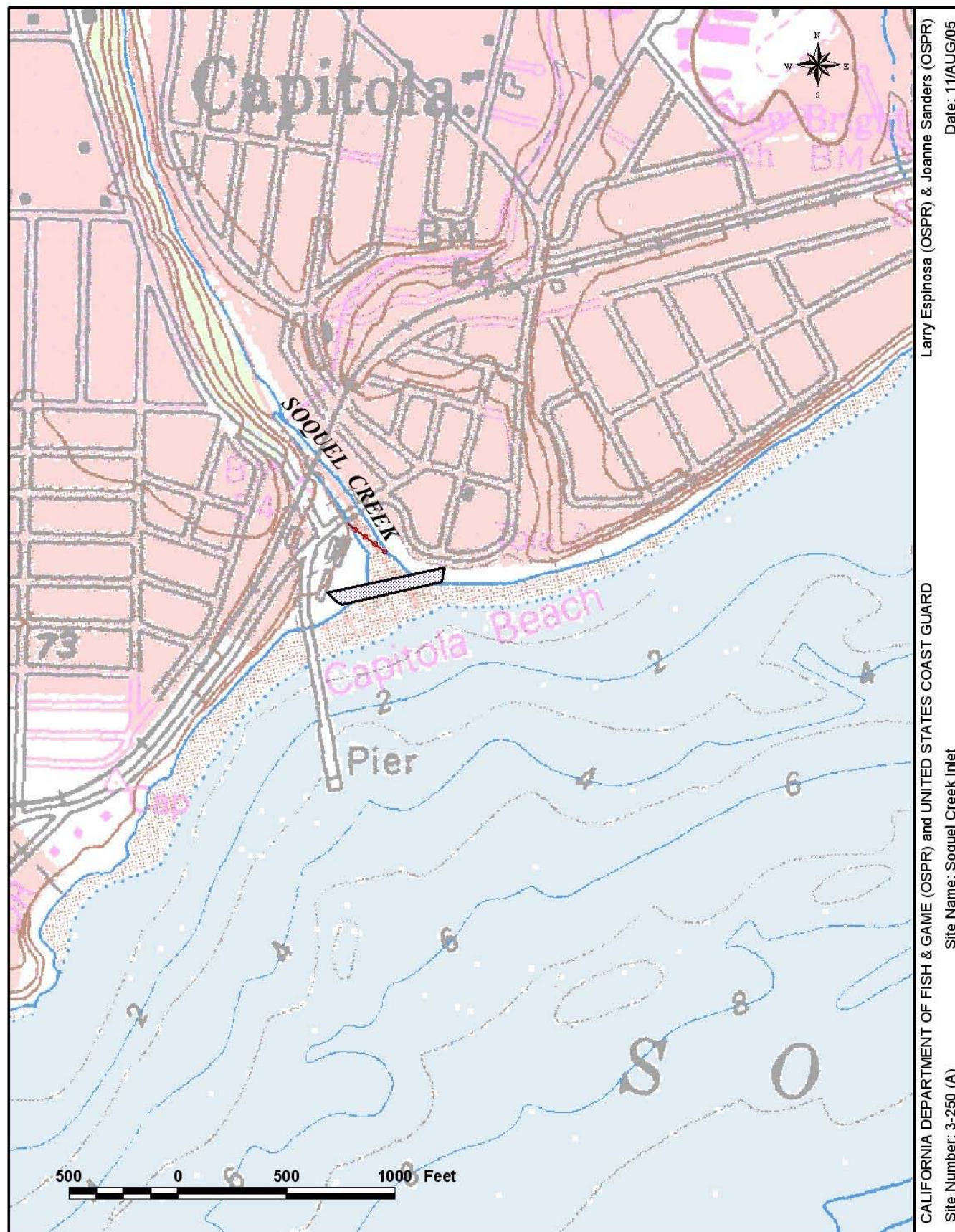
0 50 100  
FEET

N

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

- ↑ Path Of Oil
- ~ Deflection Boom
- Oil On Shoreline
- + Anchor Point / Hinge Line
- Sediment Dike





CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Name: Soquel Creek Inlet  
 Site Number: 3-250 (A)  
 Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 11/AUG/05

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |



### 3-260 -C Site Summary- New Brighton State Beach

3-260 -C

County: **Santa Cruz**  
USGS Quad: **Soquel**

Thomas Guide Location  
973  
NOAA Chart:

Latitude N  
36° 53.6'  
Longitude W  
121° 50.4'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Medium-grain sandy beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Species of concern discussed below are present year rou

#### RESOURCES OF PRIMARY CONCERN

Locally unique plants including Ceanothus integerrimus, Ceanothus thyrsoiflorus repens, and Lupinus formosus.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org>. Image #s 6836. 68-acre beach and recreational area. 114 tent and RV sites.

### 3-260 -C Site Strategy - New Brighton State Beach

County and Thomas Guide Location

NOAA CHART

### 3-260 -C

Latitude N Longitude W

36° 53.6' 121° 50.4'

973 Santa Cruz

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Locally unique plants including Ceanothus integerrimus, Ceanothus thyrsiflorus repens, and Lupinus formosus.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-260.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

No Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
--------------------	----------------	---------------	--------------------	--------------	-------------------------------	--------------	-----------------	---------------------	-----------------------------------	-----------------	---------------

3-260.1

0

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take park Avenue exit from Highway 1 (between Capitola and Aptos) and bear west. Turn left onto McGregor Road (frontage road to Highway 1), then turn right to enter New Brighton Beach day use area. Medium-grain sandy beach.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

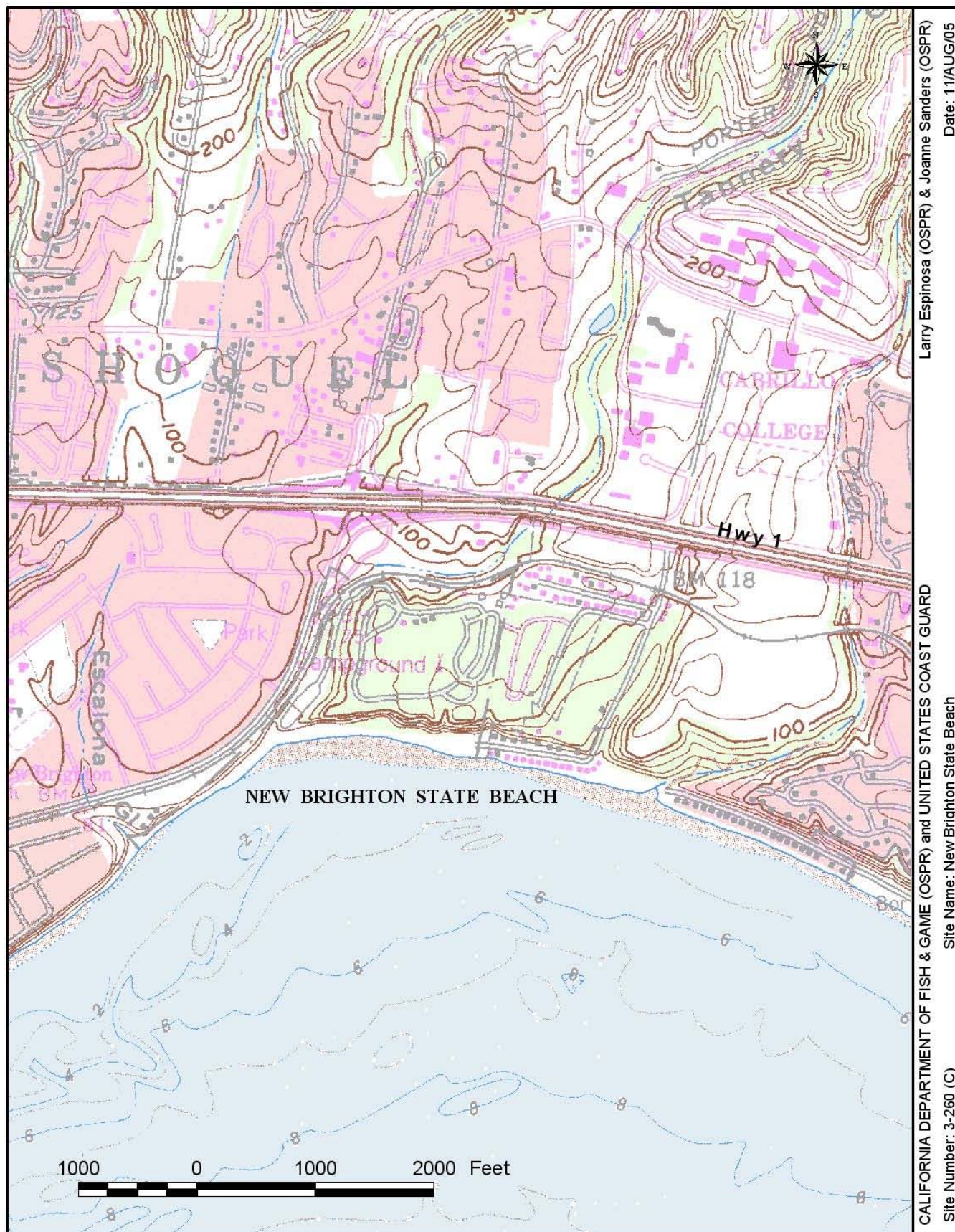
Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Name: New Brighton State Beach  
 Site Number: 3-260 (C)  
 Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 11/AUG/05

Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excellior Fence  
 tba/voo

### 3-270 -A Site Summary- Aptos Creek Inlet

3-270 -A

County: **Santa Cruz**  
USGS Quad: **Soquel**

Thomas Guide Location  
973 labeled Moosehead Cr  
NOAA Chart:

Latitude N  
36° 58.0'  
Longitude W  
121° 54.6'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Minor marsh along channel parallel to seawall.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round.

#### RESOURCES OF PRIMARY CONCERN

Shore birds and coastal sea birds including cormorants and brown pelicans (endangered).

California sea lions, harbor seals and sea otters are found offshore.

In the creek, tidewater goby(candidate for federal listing) is present; steelhead trout are present in winter, spring and fall.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

High recreational use at both Capitola and (downcoast) at Seacliff State Beach. Seacliff State Beach has fishin

### 3-270 -A Site Strategy - Aptos Creek Inlet

County and Thomas Guide Location

973 labeled Moosehead Cr Santa Cruz

NOAA CHART

### 3-270 -A

Latitude N

Longitude W

36° 58.0' 121° 54.6'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Shore birds and coastal sea birds including cormorants and brown pelicans (endangered). California sea lions, harbor seals and sea otters are found offshore. In the creek, tidewater goby(candidate for federal listing) is present; steelhead trout are present in winter, spring and fall.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-270.1 Objective: Exclude oil by berming

ACP DATE

Close off stream mouth with sediment dike (medium to fine-grain sand) about 400 feet long. Orient dike east/west and place it about 50 feet seaward of piling. Note: After major storms, sediment supply may be limited.

##### Strategy 3-270.2 Objective: Natural oil collection - assessment and action

ACP DATE

If the large berm-ridge and runnel (trough) configuration is present during a spill, a considerable amount of oil could accumulate in the runnel. Assess to see if runnel is present and if oil is accumulating. Advise UC and what kind of collection equipment would function.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-270.1									0 750 sand bags, 1600' 6" PVC pipe, or eq	20	
3-270.2	0	0	0	0	0		0	0 0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From Santa Cruz, take Highway 1 south to Sea Cliff Beach/State Park Drive off ramp (turn right). Turn left onto Center Avenue. Veer right onto Sea Cliff Drive. At the stop sign, turn right onto Spreckels Drive. At the bottom of the hill, turn right onto Treasure Island Drive. The road ends at the beach front/Esplanade. Turn right into the parking lot.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

High recreational use at both Capitola and (downcoast) at Seacliff State Beach. Seacliff State Beach has fishing pier/ concrete ship, 85-acre beach, 26 RV sites and year-round day use parking. Rio del Mar beach (at downcoast end of Seacliff State Beach) has a county parking lot (100 cars) state parking lot (50 cars), beach access and private homes and rental units near the beach. Proceeding downcoast, there is also Seascape Resort and Conference Center (831-688-6800) and La Selva Beach (private access via locked gate: Contact La Selva Beach Recreation District Clubhouse, 314 Estrella Avenue, La Selva Beach. 831-684-0838).

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



# INLET SKETCH MAP

APTOS CREEK

Inlet Name INLET, CA.

Recorder(s) MOH/THAM/KM

Date/Time 8 Nov. 1942, 1330

Tide Stage LOW @ (1510 L.O.T.), SANTA BARBARA

Inlet Classification D

## CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

XXXXXX

Recommended Oil-Catchment Area

Y Y

Salt-Water Marsh



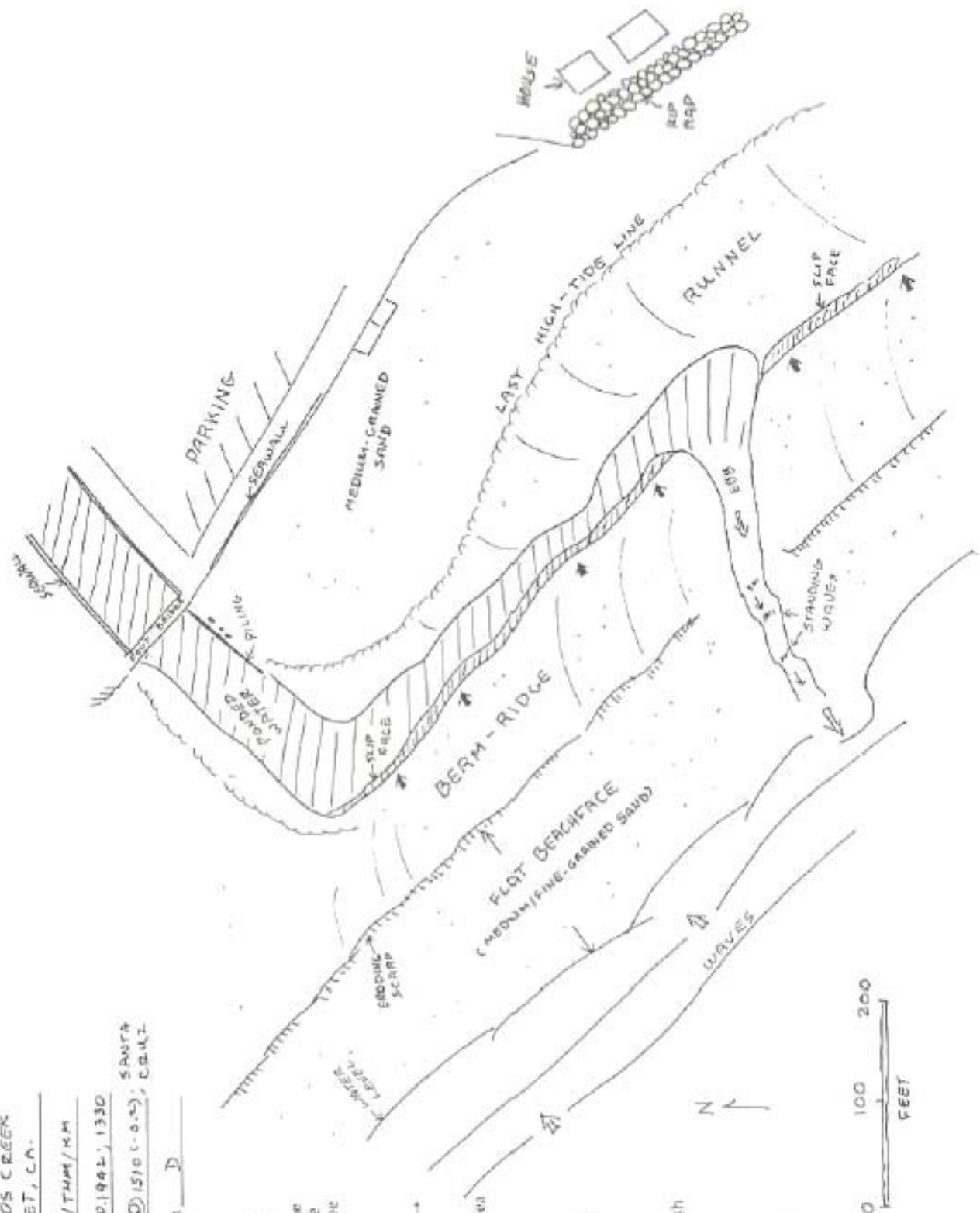
Fresh-Water Marsh



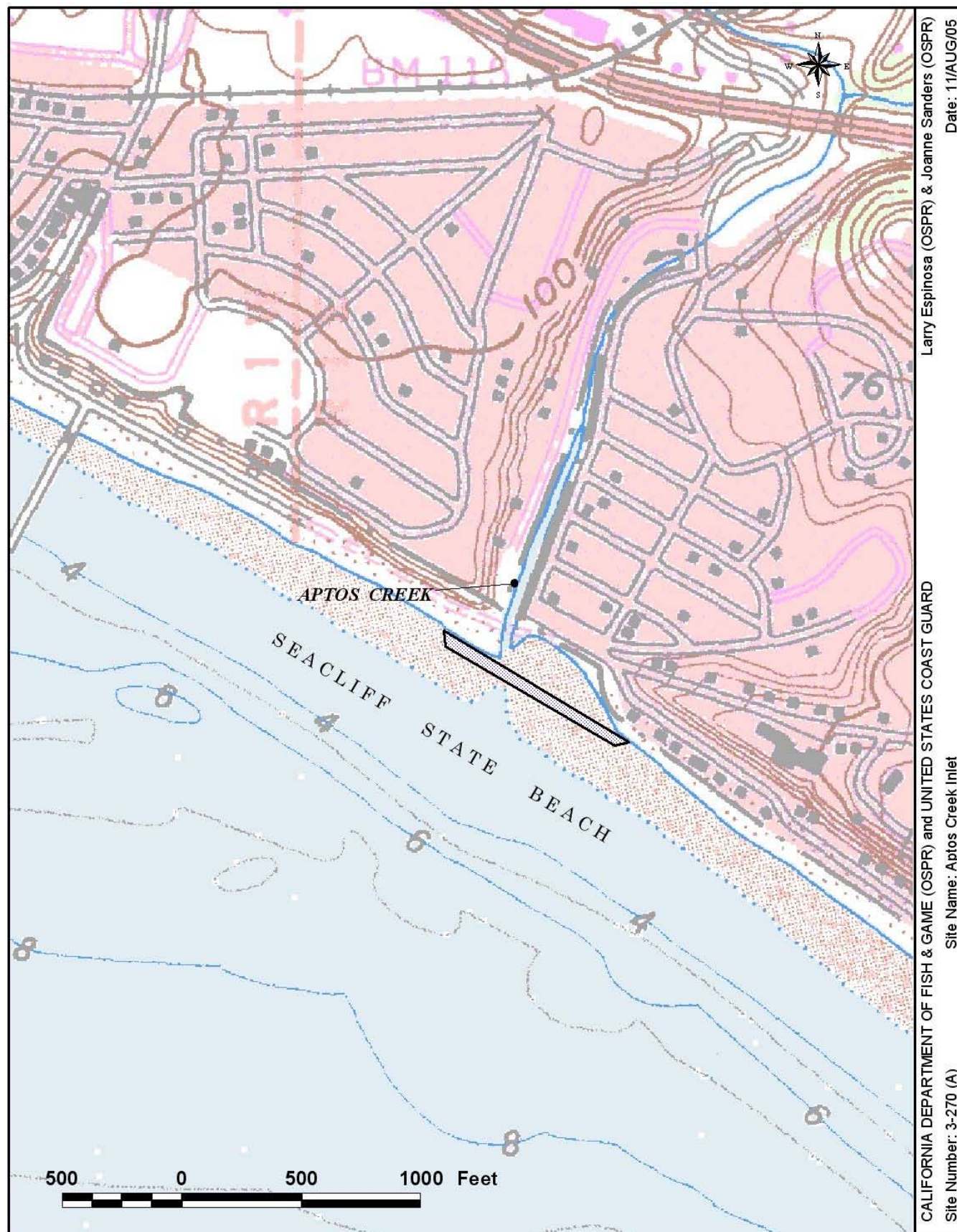
High-Tide Overwash Zone



Last High-Tide Swash Line







CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Name: Aptos Creek Inlet  
 Site Number: 3-270 (A)  
 Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 11/AUG/05

Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excelsior Fence  
 tba/voo

### 3-280 -A Site Summary- Manresa & Sunset State Beaches

3-280 -A

County: **Santa Cruz**  
USGS Quad: **Watsonville West**

Thomas Guide Location  
994 and 1014; 1014  
NOAA Chart:

Latitude N  
36° 55.8'  
Longitude W  
121° 52.1'

Last Page Update :

#### SITE DESCRIPTION:

Manresa State Beach and Sunset State Beach. Fine to medium grain sandy beaches.

Manresa: N 36° 55.8' / W 121° 52.1'

Sunset: N 36° 53.8' / W 121° 50.7'

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round.

#### RESOURCES OF PRIMARY CONCERN

California least terns (endangered), western snowy plover (threatened), and other shore birds and sea birds are present.

The black legless lizard (candidate for federal listing) uses the foredunes near Shell Road (NDDDB).

Pismo clams are present in low numbers.

the Monterey spineflower (candidate for federal listing), present in the dunes at Manresa State Beach, and the robust spineflower south of the Manresa State Beach entrance. Locally unique plant species (locations identified by additional arrows) include: Habernaria elegans, Clarkia rebicunda blasdalei, Salix hindsiana, Agrostis californica, Cirsium Quercetorum, Wyethia sp., and Gnaphalium bicolor. The southern end of this map is part of the Pajaro sand dunes. Other locally unique plants include Carex pansa, Chorizanthe sp., Poa douglasii, and Erysimum ammophilum (endangered).

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

High recreational use. Manresa Beach: 63 tent campsites, 300 day use parking; major surfing area.

Sunset Beach: 90 tent and RV sites, 150 day use parking.

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Dispatch (24/7)	California Dept. Parks & Recreation	(831) 649-2810

#### ADDITIONAL SITE SUMMARY COMMENTS:

### 3-280 -A Site Strategy - Manresa & Sunset State Beaches

3-280 -A

County and Thomas Guide Location

NOAA CHART

Latitude N Longitude W

994 and 1014; 1014 Santa Cruz

36° 55.8' 121° 52.1'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

California least terns (endangered), western snowy plover (threatened), and other shore birds and sea birds are present. Pismo clams are present in low numbers. The black legless lizard (candidate for federal listing) uses the foredunes near Shell Road (NDDDB). Plant species include the Monterey spineflower (candidate for federal listing), present in the dunes at Manresa State Beach, and the robust spineflower south of the Manresa State Beach entrance. Locally unique plant species (locations identified by additional arrows) include: Habernaria elegans, Clarkia rebicunda blasdalei, Salix hindsiana, Agrostis californica, Cirsium Quercetorum, Wyethia sp., and Gnaphalium bicolor. The southern end of this map is part of the Pajaro sand dunes. Other locally unique plants include Carex pansa, Chorizanthe sp., Poa douglasii, and Erysimum ammophilum (endangered).

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-280.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

No no on-site mechanical Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
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3-280.1

0

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Manresa: Take San Andreas Road from Highway 1 (between Rio Del Mar and Watsonville) and go west toward ocean. Approximately 1.5 miles (intersection with Mar Monte Avenue) bear right and proceed about another .5 miles. Turn right onto Country Road to get to Manresa Beach (Country Road occurs as San Andreas Road makes a sharp bend to the south). Sunset: To get to Sunset Beach from Manresa, continue south on San Andreas Road for approximately 3 miles and turn right onto Sunset Beach Road. Road will terminate at beach. Alternatively, from Highway 1 north near Watsonville, take Highway 129/Riverside Drive exit, cross Highway 1 to west side, turn right onto Lee Road, left on West Beach, right on San Andreas Road, and proceed approximately 2 miles. Turn left onto Sunset Beach Drive and follow to end.

**LAND ACCESS:** 4WD

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

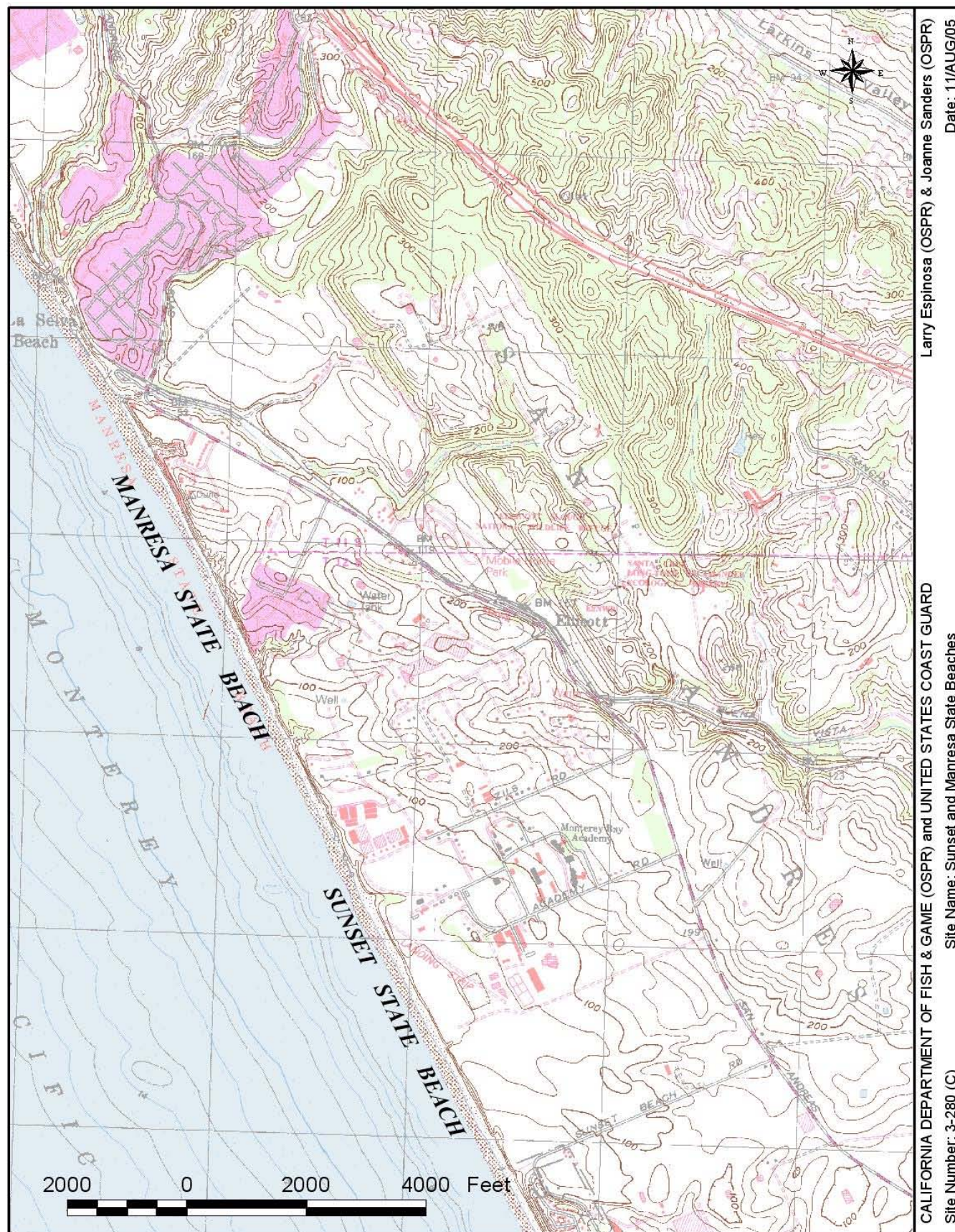
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)

Date: 11/AUG/05

CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD

Site Name: Sunset and Manresa State Beaches

Site Number: 3-280 (C)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo



### 3-285 -A Site Summary- Sunset St (south)/ Palm Beach

3-285 -A

County: **Santa Cruz**  
USGS Quad: **Moss Landing**

Thomas Guide Location  
1014  
NOAA Chart:

Latitude N  
36° 52.2'

Longitude W  
121° 49.5'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Fine to medium grain sandy beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

#### RESOURCES OF PRIMARY CONCERN

California least terns (endangered), western snowy plover(threatened), and other shore birds and sea birds are present.

Carex pansa, Chorizanthe sp., Poa douglasii, and Castilleja latifolia.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

Recreational use, waterfront resort, conference center, private and rental housing.

### 3-285 -A Site Strategy - Sunset St (south)/ Palm Beach

County and Thomas Guide Location

NOAA CHART

1014 Santa Cruz

### 3-285 -A

Latitude N

Longitude W

36° 52.2' 121° 49.5'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

California least terns (endangered), western snowy plover(threatened), and other shore birds and sea birds are present. Locally unique plants in this area include: Carex pansa, Chorizanthe sp., Poa douglasii, and Castilleja latifolia.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-285.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

No site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
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3-285.1

0

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

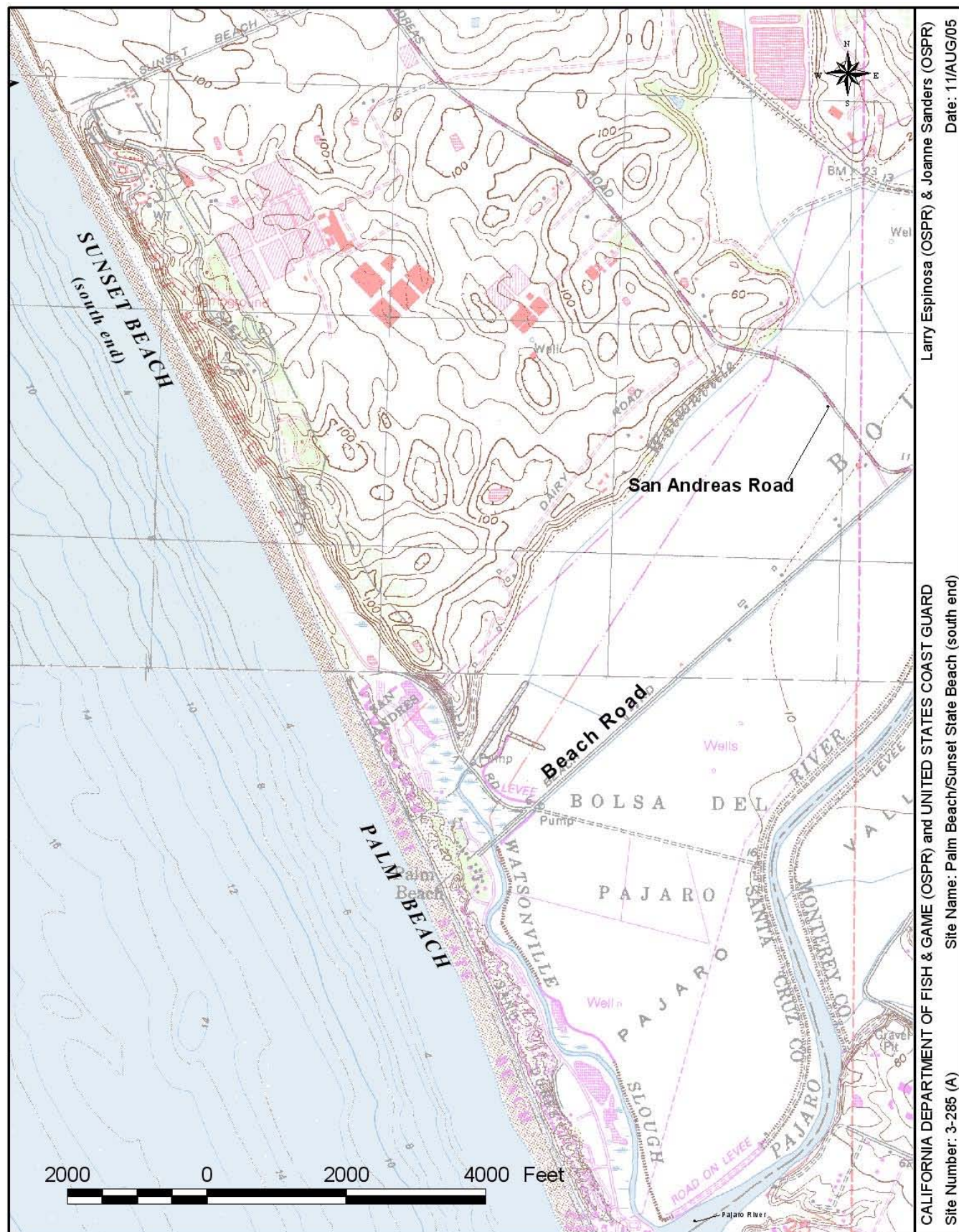
and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 11/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Palm Beach/Sunset State Beach (south end)  
Site Number: 3-285 (A)

County: **Santa Cruz and Monterey**  
USGS Quad: **Moss Landing**

Thomas Guide Location  
1035  
NOAA Chart:

Latitude N  
36° 50.0'  
Longitude W  
121° 48.9'

Last Page Update :
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**SITE DESCRIPTION:**

Extensive salt marsh habitat occurs in Watsonville Slough north of the river, and along the banks of the Pajaro River. The inlet is within Zmudowski State Beach, which runs downcoast from the inlet. River mouth may or may not be breached, which determines how much area behind the beach is lagooned. When river is not flowing, the pocket lagoon is mostly filled in, with established vegetation at lagoon edge. Mid-lagoon is a slightly elevated mud island, which may not be present when the river is flowing; when it is present, birds use it as a resting area. The configurations of river, lagoon, beach face and river outlet are all highly seasonally variable.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

Western snowy plovers, waders (e.g., black-necked stilts, American avocets) and waterfowl (e.g., coots and mallards), and coastal seabirds such as cormorants and brown pelicans (endangered). Bank swallows are reported from the river mouth by NDDB.

The black legless lizard uses (candidate species) the vegetated dune habitat in this area. The globose dune beetle uses the habitat at the ocean margin of the dunes.

Steelhead trout are present. Federally listed threatened tidewater gobies are found in the river mouth lagoon and adjacent slough.

Federally listed threatened plant species, Monterey-spineflower, occurs in the dunes south of the river mouth.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 6890, 6891, 6892, 744, 747, 748

### 3-290 -A Site Strategy - Pajaro River Inlet

County and Thomas Guide Location

1035 Santa Cruz and Monterey

NOAA CHART

### 3-290 -A

Latitude N Longitude W

36° 50.0' 121° 48.9'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Large numbers of birds, including waders (e.g., black-necked stilts, American avocets) and waterfowl (e.g., coots and mallards), and coastal seabirds such as cormorants and brown pelicans (endangered). Steelhead trout are also present. Federally listed threatened tidewater gobies are found in the river mouth lagoon and adjacent slough. Bank swallows are reported from the river mouth by NDDb. The Federally listed threatened plant species, Monterey-spineflower, occurs in the dunes south of the river mouth. A State Park Natural Preserve, a sub-unit of Zmudowski State Beach, encompasses the river mouth and the adjacent beach to the south. The black legless lizard uses (candidate species) the vegetated dune habitat in this area. The globose dune beetle uses the habitat at the ocean margin of the dunes.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Western snowy plover nesting at this site can restrict response activity at this site. Critical area is usually roped off, but get a determination about plover presence from IC/UC environmental scientist before disturbing site.

#### Strategy 3-290.1 Objective: Exclusion by booming

ACP DATE

Using diagonal booming inside the lagoon as backup to sediment dike or when less disturbing actions are appropriate. Stranding oil on the seawall/rip-rap at the east end of the Pajaro Dunes Colony development.

#### Strategy 3-290.2 Objective: Exclude oil by berming

ACP DATE

River flow may be sufficient to prevent oil from traveling up the river channel. If necessary when the river is flowing, berm outlet using native sands. If there is outflow, underflow pipes will be necessary to allow outflow. If the river is not flowing, reinforce natural berm with native sand to prevent oil washover from surge.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-290.1	0	1400			18 12 Stakes & 6 Danforth, as needed		1	0		11	
3-290.2								0	4000 sand bags, 4800' 6" PVC pipe & fitti	20	

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access to the State Park coastal parking area, which gives ready access to the beach, is off Highway 1 at Struve Road via Gilbertson Road. Access to the Pajaro Inlet is by way of a locked gate at the upcoast end of the parking lot. During an oil spill emergency, this gate will be open. Follow the unpaved road to the end. At that point is the designated 4WD access to the beach.

Additional access to the upcoast end of the inlet is available through the Pajaro Dunes Colony [2661 Beach Road, Watsonville]; permission to access Colony residential roads may be arranged by calling Pajaro Dunes front office phone (831-722-4671). Equipment access is available upcoast of the Pajaro River via Palm Beach (which fronts the Pajaro Dunes Colony) and/or Sunset State Beach, off San Andreas Road. Extensive salt marsh habitat occurs in Watsonville Slough north of the river, and along the banks of the Pajaro River. The inlet is within Zmudowski State Beach, which runs downcoast from the inlet. River mouth may or may not be breached, which determines how much area behind the beach is lagooned. When river is not flowing, the pocket lagoon is mostly filled in, with established vegetation at lagoon edge. Mid-lagoon is a slightly elevated mud island, which may not be present when the river is flowing; when it is present, birds use it as a resting area. The configurations of river, lagoon, beach face and river outlet are all highly seasonally variable.

#### LAND ACCESS:

##### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:

# INLET SKETCH MAP

Inlet Name PAJARO RIVER  
INLET, CA.

Recorder(s) MON/TAM/KM

Date/Time 3 AUG. 1992, 1145

Tide Stage LOW @ 1520 (-0.9) CROSS LANDING

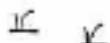
Inlet Classification C  
**MODIFIED 26 JUNE 2005 LRF**  
**CHECKLIST**

- ☒ North Arrow
- ☒ Scale
- ☒ High-Tide Line
- ☒ Low-Tide Line
- ☒ Substrate Type

## LEGEND

XXXXXXX

Recommended  
Oil-Catchment Area



Salt-Water Marsh



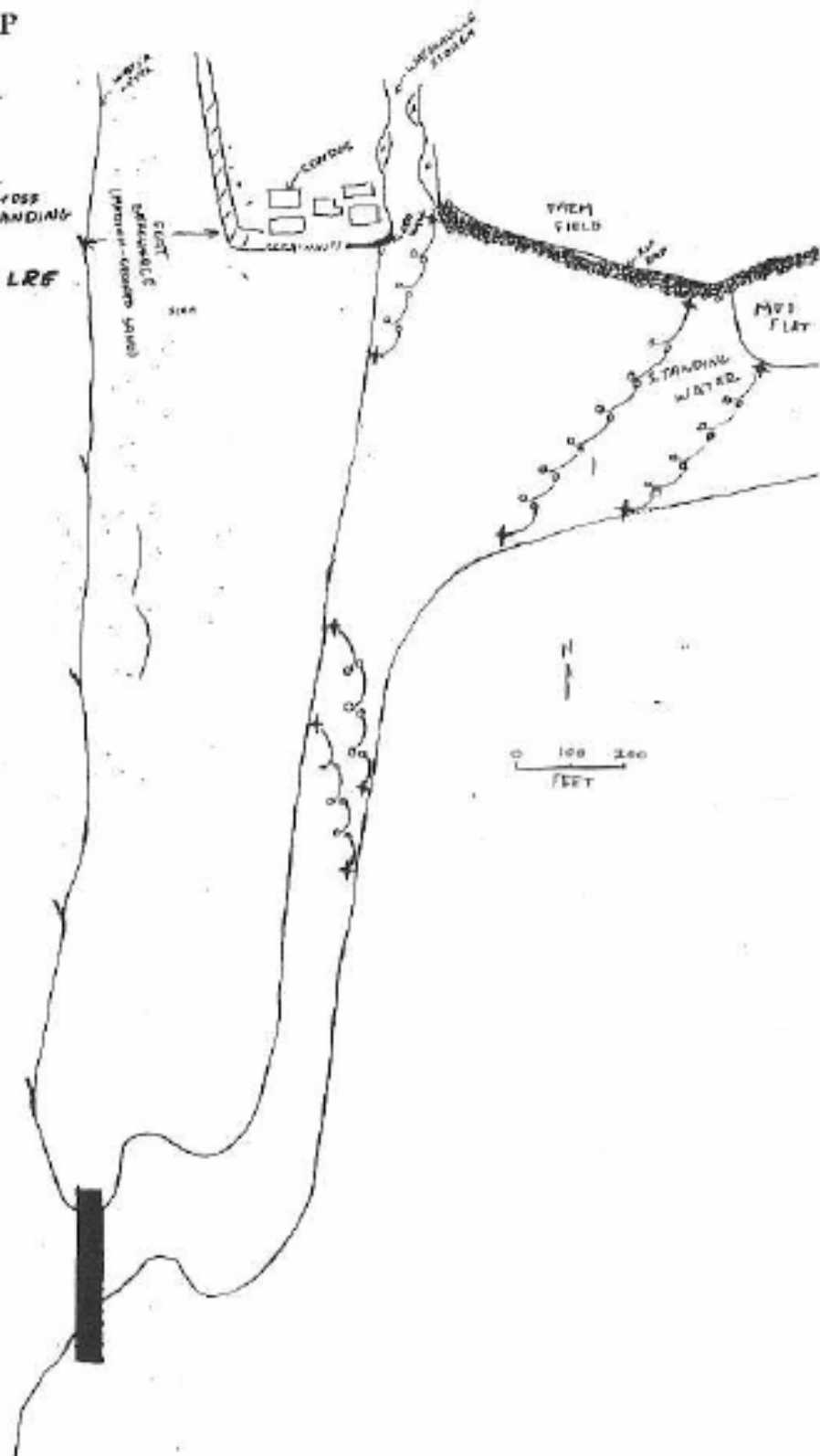
Fresh-Water Marsh



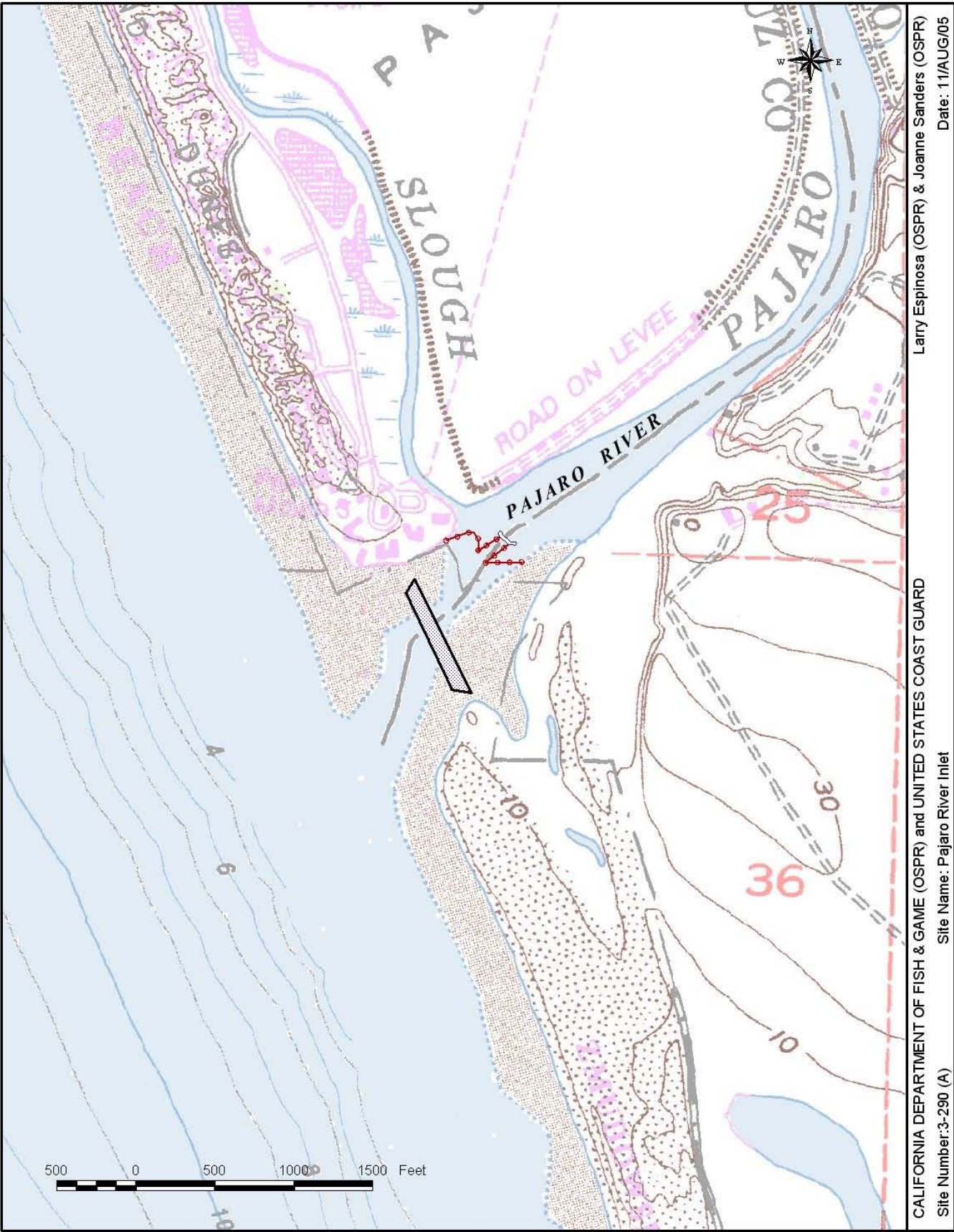
High-Tide  
Overwash Zone



Last High-Tide  
Swash Line







Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 11/AUG/05  
CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Pajaro River Inlet  
Site Number: 3-290 (A)

- |             |              |                 |
|-------------|--------------|-----------------|
| Harbor Boom | Sorbent Boom | Dike or Berm    |
| Swamp Boom  | Other Boom   | Excellior Fence |
| sss / sfs   | tsa / sps    | tba/voo         |



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## 9872.2 Cultural, Historical, Archeological & Economic Resources

For general information about cultural, historical and archeological resources, and the **Programmatic Agreement on Protection of historic properties during emergency response under the national oil and hazardous substances pollution contingency plan**, please refer to section 9802.1. The table below lists the cultural, historical, archaeological and economic resources for this Geographic Response Area.

### Central Coast Geographic Response Area 2: Point Santa Cruz to Pajaro River

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
Includes all of this Geographic Sub-Area		E	Monterey Bay National Marine Sanctuary 299 Foam Street, Monterey, CA 93940	Superintendent (831) 647-4201 (831) 647-4260 FAX	N
<b>Point Santa Cruz</b>	3-200		City of Santa Cruz Municipal Wastewater Treatment Facility	City of Santa Cruz (831) 420-6050	N
<b>Lighthouse Field State Beach</b>	3-200	E	Lighthouse Field State Beach  Recreational area Major surfing area (Steamer's Lane)	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Santa Cruz Municipal Wharf (area)</b>	3-205	E	Cowell Beach  Recreational area; windsurfing; major surfing area (Steamer's Lane)	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Santa Cruz Municipal Wharf (area)</b>	3-205	F	West Coast Santa Cruz Hotel 175 West Cliff Drive Santa Cruz, CA 95060  Waterfront hotel	(831) 426-4330	N
<b>Santa Cruz Municipal Wharf</b>  Monterey Bay Thomas Map: 992	3-205	E	Santa Cruz Municipal Wharf Foot of Washington and Beach Streets	City of Santa Cruz (831) 420-6025	N
<b>Santa Cruz Beach</b>	3-205	F	Santa Cruz Beach Boardwalk 400 Beach Street Santa Cruz, CA 95060  Significant tourist destination Recreational area	Seaside Company (831) 423-5590	N

## Central Coast Geographic Response Area 2, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Santa Cruz Beach</b>	3-205	E	Santa Cruz Small Craft Harbor 135 5 <sup>th</sup> Avenue Santa Cruz, CA 95060  960 berths, 3 boat ramp lanes, boat hoist, visitor berths (vessels up to 100' w/max. drafts of 10' at MLLW)	Harbor Master (831) 475-6161 (Gen. Office #) (831) 475-6162 (24-hr)  Santa Cruz City Police (831) 420-5800 (24-hour)	Y
			Small craft refueling dock	Current leaseholder: Shamrock Charters (831) 476-2648	N
			Santa Cruz Yacht Club 244 4 <sup>th</sup> Avenue Santa Cruz, CA 95060  Boat dry storage yard; 2-ton boat hoist; 120' linear dock space.	(831) 425-0690	N
			Twin Lakes State Beach 7 <sup>th</sup> Avenue and East Cliff Drive  Jetty fishing Swimming, recreational area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
			Harbor Marine, Inc. 496 Lake Avenue Santa Cruz, CA 95062  60-ton travelift Complete boat service and repair	(831) 475-3131	N
San Lorenzo River Inlet	3-210	E	San Lorenzo River	City of Santa Cruz (831) 420-6025	N
<b>Santa Cruz Harbor Entrance</b>	3-220		Seabright Beach (Castle Beach is a local name for the downcoast side of Seabright Beach)	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Harbor District (831) 475-6161 (831) 475-6162 (24-hour)  City Police (831) 429-3911	N
<b>Schwans Lagoon Inlet</b>	3-230		Schwan's Lake Inlet	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Corcoran Lagoon Inlet</b>	3-240		Corcoran Lagoon Inlet (Rodeo Creek Inlet)	Private marsh.	N

## Central Coast Geographic Response Area 2, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Soquel Creek Inlet</b> <b>(Capitola)</b>	3-250	E	Soquel Point  Pleasure Point Beach and Overlook Major surfing area	Santa Cruz County Parks Dept. (831) 454-7900	N
<b>Soquel Creek Inlet</b>	3-250	E	Soquel Cove Artificial fishing reef (4000 tons of quarry rock)	City of Capitola (831) 475-7300  CA Dept. Fish and Game Spills (24-hour): (916) 358-1300 Gen. daytime: (831) 649-2870	N
<b>Soquel Creek Inlet</b> <b>(Capitola)</b>	3-250	E	Capitola Wharf 1400 Wharf Road Capitola, CA 95010  Fishing Pier Significant tourist destination	Capitola Boat and Bait (831) 462-2208	N
<b>Soquel Creek Inlet</b> <b>(Capitola)</b>	3-250	E	Capitola Boat and Bait 1400 Wharf Road Capitola, CA 95010  Boat moorings Seasonal: May 1 – Sept. 30	Capitola Boat and Bait (831) 462-2208	N
<b>Soquel Creek Inlet</b> <b>(Capitola)</b>	3-250	E	Capitola Esplanade  Significant tourist destination Restaurant and shopping area	City of Capitola (831) 475-7300  Police Dept. (831) 471-1170  Capitola Chamber of Commerce (831) 475-6522	N
<b>Soquel Creek Inlet</b> <b>(Capitola)</b>	3-250	E	Capitola City Beach  Recreational area Surfing area	City of Capitola (831) 475-7300  Police Dept. (831) 471-1170	N
<b>New Brighton State Beach</b>	3-260	E	New Brighton State Beach  68-acre beach Recreational area; 114 tent and RV sites	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Aptos Creek Inlet</b> <b>(Seacliff exit off Highway 1)</b>	3-270	E	Seacliff State Beach  Fishing pier/concrete ship Recreational area 85-acre beach; 26 RV sites; 365 day use parking ----- Rio del Mar beach is at the downcoast end of Seacliff State Beach  Rio del Mar beach has a county parking lot (100 cars), state parking lot (50 cars), beach access and private homes and rental units near the beach	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	Y

## Central Coast Geographic Response Area 2, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Aptos Creek Inlet</b>	3-270	F	Seascape Resort and Conference Center 120 Seascape Ridge Drive Aptos, CA 95003	(831) 688-6800	N
<b>Aptos Creek Inlet</b>	3-270	E	La Selva Beach  Private. Access via locked gate.	Private. La Selva Beach Recreation District Clubhouse 314 Estrella Avenue La Selva Beach, CA 95076 (831) 684-0838	N
<b>Manresa and Sunset State Beaches</b>	3-280	E	Manresa State Beach  Recreational area; 63 tent campsites; 300 day use parking Major surfing area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Sunset State Beach and Palm Beach</b>  <b>(San Andreas Road, off Highway 1)</b>	3-285	E	Sunset State Beach and Palm Beach  Recreational area 90 tent and RV sites; 150 day use parking	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Santa Cruz Co. Resource Planner (831) 454-2580 (work-hours switchboard) (831) 471-1121 (after-hours)	N
<b>Pajaro River Inlet</b>	3-290	F	Pajaro Dunes  Waterfront resort, conference center, and residential area	Pajaro Dunes Association (831) 722-4671  CA Dept. Parks and Rec. (831) 649-2810 (24-hour)	N

### 9872.21 Other Resources and Species of Concern

Please see section 9871.21 for a discussion of this topic.

### 9872.22 Essential Fish Habitat

Please see Section 9801.22 for a discussion of this topic.

### 9872.3 Operational Divisions

Please see Section 9871.3 for maps that delineate Operational Divisions for this ACP.



## **9873 GRA 3 Zmudowski Beach to Point Pinos (Includes Elkhorn Slough Geographic Response Plan)**

### **9873.1 Sensitive Sites**

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### **9873.2 Cultural, Historical, Archeological & Economic Resources.....1**

9873.21 Other Resources and Species of Concern

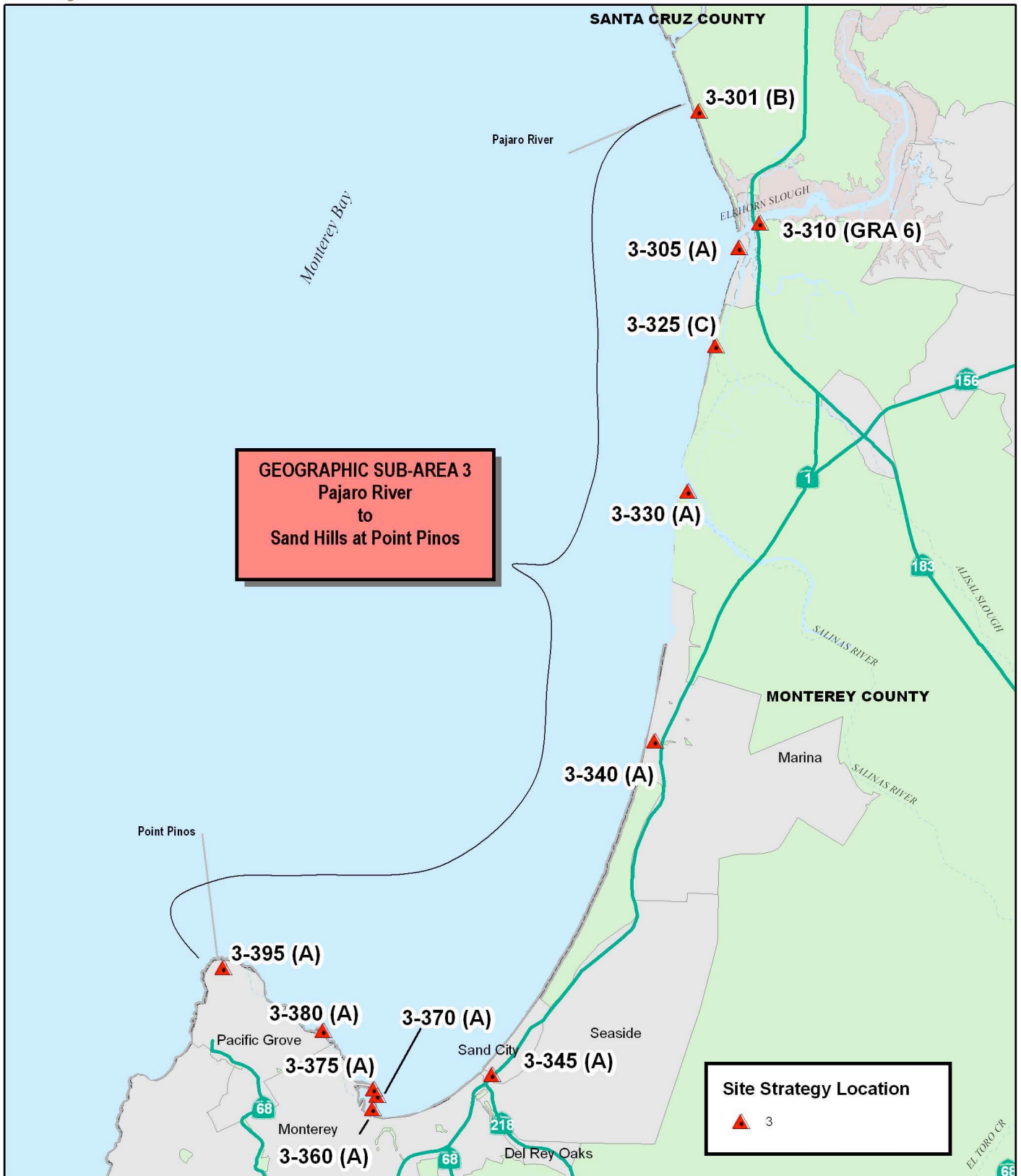
9873.22 Essential Fish Habitat

### **9873.3 Shoreline Operational Divisions.....1**

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# Central Coast Geographic Sub-Area 3 and Site Strategy Locations



  
Scale 1:130 000

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### 3-301 -A Site Summary- Zmudowski Beach St. Park

3-301 -A

County: **Monterey**  
USGS Quad: **Moss Landing**

Thomas Guide Location  
1035  
NOAA Chart:

Latitude N  
36° 49.8'

Longitude W  
121 48.2'

Last Page Update :

#### SITE DESCRIPTION:

Zmudowski Beach State Park. Fine to medium course grain sandy beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year Round

#### RESOURCES OF PRIMARY CONCERN

Federally threatened western snowy plovers, and other sea and shore birds

The black legless lizard (candidate species) uses the vegetated dune habitat in this area. California endangered Santa Cruz long-toed salamander occurs in McClusky Slough just east of the dunes. Globose dune beetle (candidate species) also uses habitat oceanward of vegetated dunes.

Federally threatened Monterey spineflower occurs in the dunes. Listed and sensitive dune plants include Gilia tenuiflora, Menzies wallflower, and Corisanthe purgens.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
	Dispatch (24/7)	California Dept. Parks & Recreation	(831) 649-2810

#### ADDITIONAL SITE SUMMARY COMMENTS:

High recreational use. The entrance to the ecologically diverse Elkhorn Slough is directly



### 3-301 -A Site Strategy - Zmudowski Beach St. Park

County and Thomas Guide Location

NOAA CHART

### 3-301 -A

Latitude N

Longitude W

1035 Monterey

36° 49.8' 121 48.2'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Federally threatened western snowy plovers, and other sea and shore birds are present year around. Snowy plovers nest on beaches February through September, and use the beaches year-round for feeding and roosting habitat. The black legless lizard (candidate species) uses the vegetated dune habitat in this area. Federally threatened Monterey spineflower occurs in the dunes. California endangered Santa Cruz long-toed salamander occurs in McClusky Slough just east of the dunes. Globose dune beetle (candidate species) also uses habitat oceanward of vegetated dunes. Listed and sensitive dune plants include *Gilia tenuiflora*, *Menzies wallflower*, and *Corisanthe purgens*.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-301.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

No no on-site mechanical site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
--------------------	----------------	---------------	--------------------	--------------	-------------------------------	--------------	-----------------	---------------------	-----------------------------------	-----------------	---------------

3-301.1

0

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access to the State Park coastal parking area, which gives ready access to the beach, is off Highway 1 at Struve Road via Gilbertson Road [See Map]. Zmudowski State Beach includes most of the beach and dunes between the Pajaro River Inlet and Moss Landing. Follow the unpaved road to the end. At that point is the designated 4WD access to the beach. Access to the beach at the south end of Zmudowski Beach is by way of Moss Landing State Beach. Turn off Highway 1 at the State Beach sign and follow the road to the parking area.

LAND ACCESS: 4WD

##### WATER LOGISTICS:

Limitations: depth, obstruction

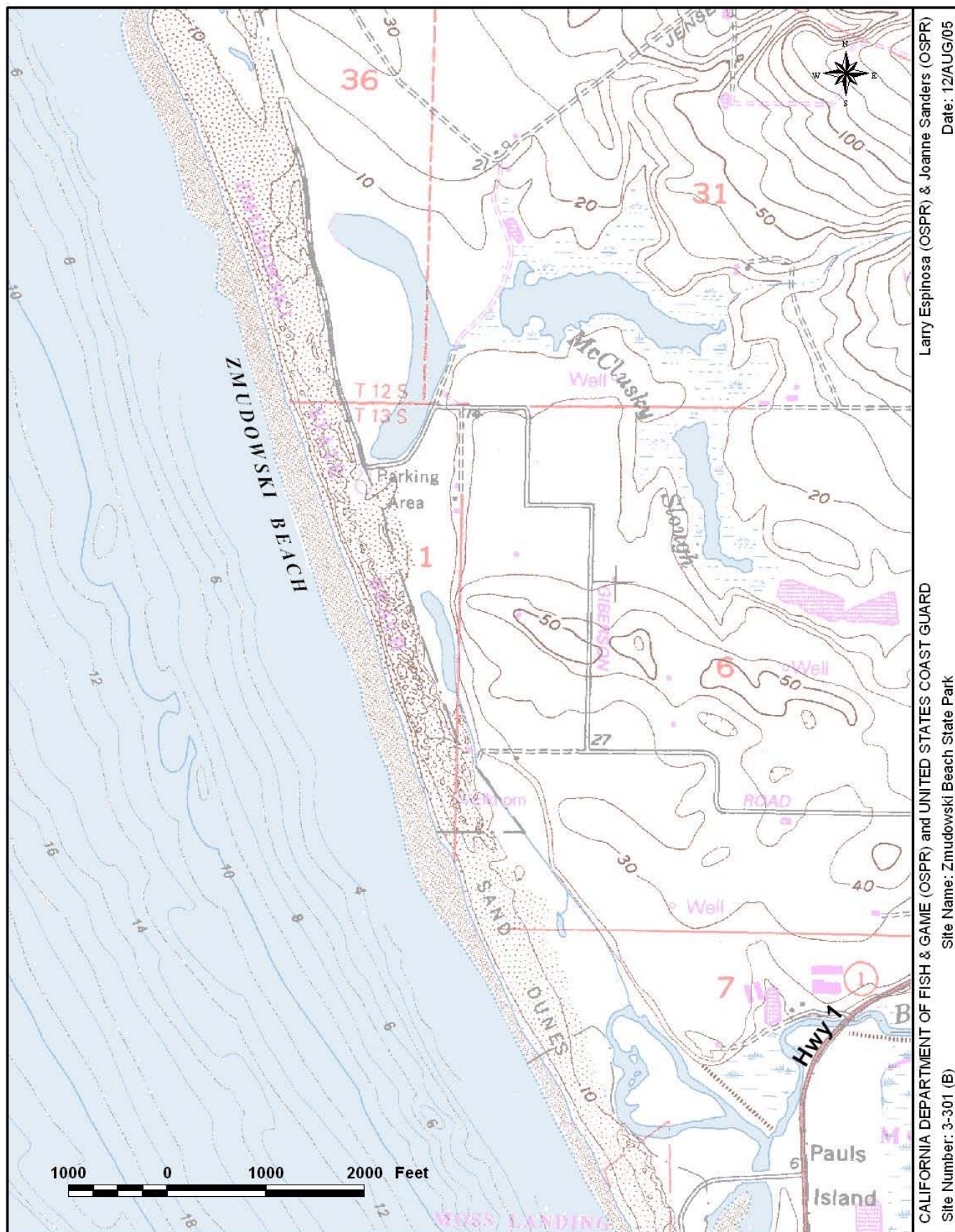
Launching, Loading, Docking

and Services Available:

##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Zmudowski Beach State Park

Site Number: 3-301 (B)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

### 3-305 -A Site Summary- Moss Landing Inlet

3-305 -A

County: **Monterey**  
USGS Quad: **Moss Landing**

Thomas Guide Location  
1055  
NOAA Chart:

Latitude N  
36° 48.5'  
Longitude W  
121° 47.7'

Last Page Update :

#### SITE DESCRIPTION:

Moss Landing Harbor is located at the approximate center of Monterey Bay. It is the major commercial fishing port in the area. It also is home port to research ships and recreational boats. Elkhorn Slough National Research Reserve (owned/managed by NOAA and CDFG), Elkhorn Slough Wildlife Area (owned/managed by CDFG). Extensive marshes and tidal flats (2,500 acres). Moss Landing State Beach (owned/managed by CDPR).

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Elkhorn Slough supports 260 species of birds including endangered clapper rails and brown pelicans. There is a Caspian tern rookery in the south marsh, as well as California least terns. The bank swallow (threatened) can be found at the inlet (NDDDB)

Sea otters (federally listed, harbor seals; Santa Cruz long-toed salamander  
tidewater goby

are over 400 species of invertebrates including gaper clams, Washington clams, and littleneck clams.

Within the salt ponds is the mimic Tryonia plant species (candidate species, NDDDB). The Monterey Indian paint brush is found at Moss Landing State Beach.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 766, 6930. The Intake for the Duke Power Plant is in the Moss L

### 3-305 -A Site Strategy - Moss Landing Inlet

County and Thomas Guide Location

1055 Monterey

NOAA CHART

3-305 -A

Latitude N Longitude W

36° 48.5' 121° 47.7'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Elkhorn Slough supports 260 species of birds including endangered clapper rails and brown pelicans. There is a Caspian tern rookery in the south marsh, as well as California least terns. Harbor seals haul out and pup spring-summer. Sea otters (federally listed) have used the area for several years. There are over 400 species of invertebrates including gaper clams, Washington clams, and littleneck clams. The endangered Santa Cruz long-toed salamander and tidewater goby (candidate species) live here. The bank swallow (threatened) can be found at the inlet (NDDDB). Within the salt ponds is the mimic Tryonia plant species (candidate species, NDDDB). The Monterey Indian paint brush is found at Moss Landing State Beach.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-305.1 Objective: Exclusion to collection in all three channels inside Elkhorn Slough mouth

ACP DATE

Boom the three legs of Moss Landing Harbor, placing arrays seaward of the Highway 1 bridge. Put skimmers at the throat of each array. Provide for transit into and out of the north and south arms of the harbor.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	type and gear	Boom boat	Skiffs punts	Skimmers No	Type	Special Equipment No and kinds	staff deploy	Staff tend
3-305.1	5500	1600	2000 OS*		10	7 Stakes & 3 Danforth	4	3	SSS	0	Share VSW boom boats + Elkhorn Slough	20	

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access to the beach at the South end of Zmudowski Beach is by way of Moss Landing State Beach. Turn off Highway 1 at the State Beach sign and follow the road to the parking area. The Duke power plant is on the inland side of the Highway.

**LAND ACCESS:** 4WD on beaches; large trucks in harbor.

**WATER LOGISTICS:** Boat launch; full service boat yard; berthing for large boats; fuel

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:

MOSS LAWN 550A

ET, CA.

MOH/TMOH

Nov. 1992; 1015

6H @ 0.809 (+5.4); MOSS  
+ RAYTRING

५

## CHECKLIST

- ☒ North Arrow
- ☒ Scale
- ☒ High-Tide Line
- ☒ Low-Tide Line
- ☒ Substrate Type

### LEGEND

Recommended  
Oil-Catchment Area

$$\overline{v}$$

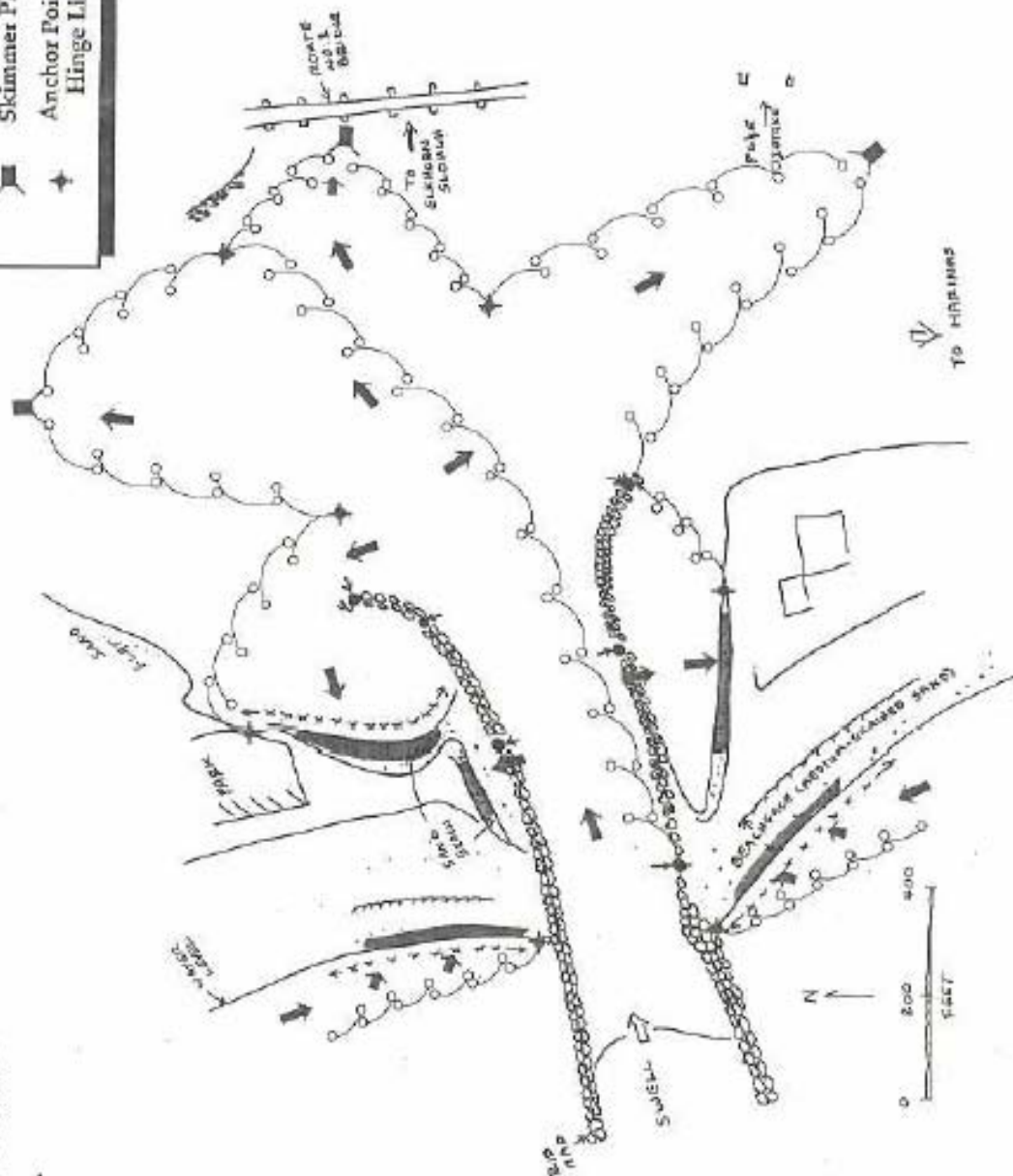
Salt-Water Marsh

50

Fresh-Water Marsh

High-Tide  
Overwash Zone

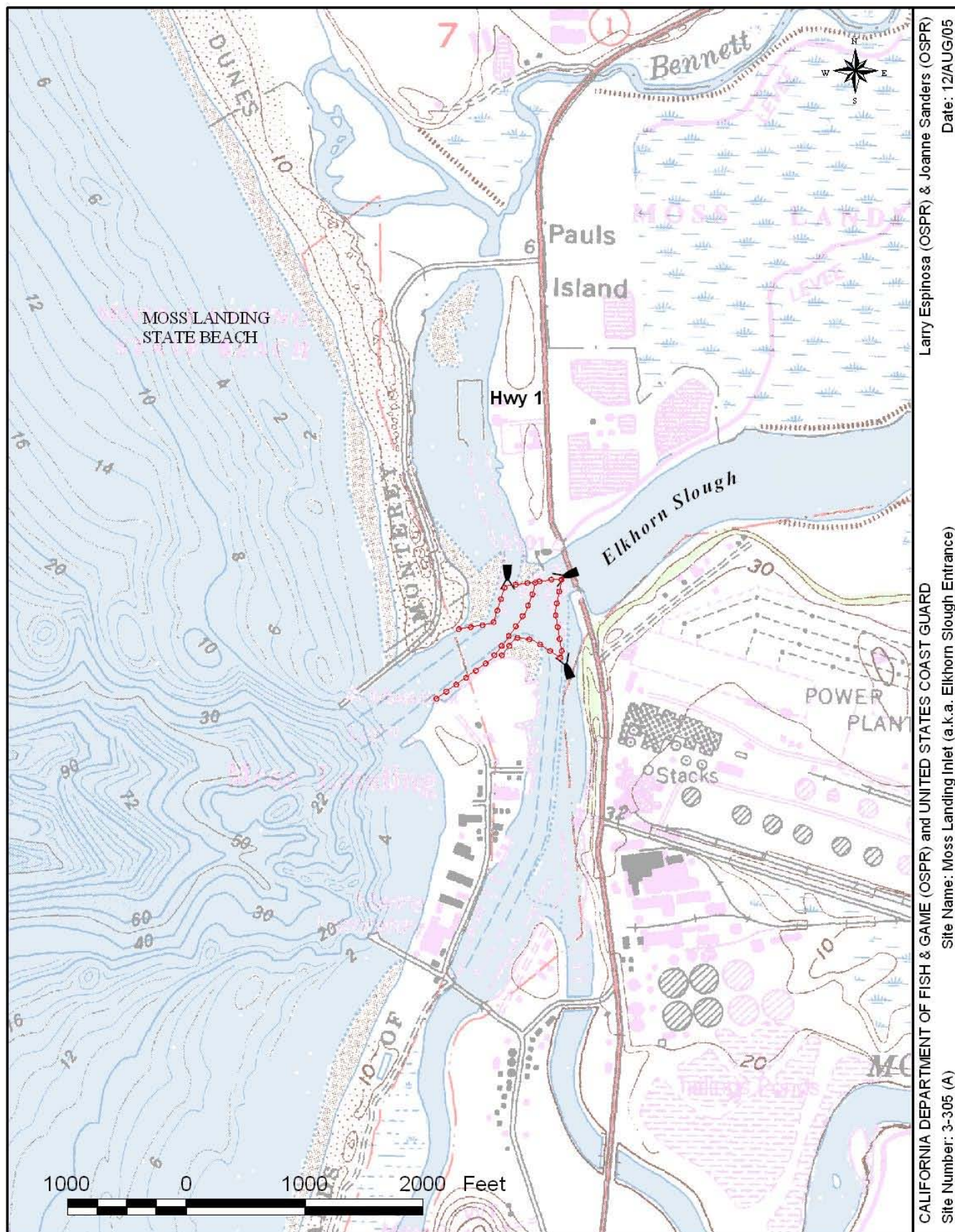
↓  
Engaged  
Been Around  
Power



### POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

- ↑ Path Of Oil
- Deflection Boom
- Oil On Shoreline
- ☐ Skimmer Placement
- ✦ Anchor Point / Hinge Line





Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excellior Fence  
 tba/voo

County: **Monterey**  
 USGS Quad: **Moss Landing**

Thomas Guide Location  
 1055  
 NOAA Chart:

Latitude N  
 36° 48.5'  
 Longitude W  
 121° 47.7'

Last Page Update :

#### SITE DESCRIPTION:

Elkhorn Slough is over seven miles long, roughly shaped like the letter "S" extending east from State Highway 1 which crosses the slough near its entrance, effectively dividing the Slough from Moss Landing Harbor. Elkhorn Slough is a salt-water estuary with seasonal freshwater input from winter storms but twice-daily tides cause almost all of the water exchange in Elkhorn Slough. It joins Monterey Bay through the entrance to Moss Landing Harbor, a rip-rapped channel. Although narrow, the main channel carries large volumes of water which flood large marshes and mudflats on either side of the channel's full length. As a result, currents are fairly fast. Currents are particularly swift as they pass through restrictions at Highway 1 and the entrance channel at Parson's slough, and have scoured deep channels. Controlling agencies include Elkhorn Slough National Research Reserve (owned/managed by NOAA and CDFG), Elkhorn Slough Wildlife Area (owned/managed by CDFG). Extensive marshes and tidal flats (2,500 acres). Moss Landing State Beach (owned/managed by CDPR).

Likely Locations for Spills: Five sites seem vulnerable to spills. Listed in order of likelihood and probable spill severity they are:

1. The trestle crossing the entrance to Parsons's Slough. Wood pilings are set in wet peat soils. Earthquakes cause peat soils to move substantially which weaken the trestle's structure. A spill would seriously affect Parson's Slough and could be carried up and down channel by the next tide cycle. A derailment here would be difficult to deal with effectively because the track is the only way to get wreckage-removal and spill-response equipment to the site.
2. The grade crossing at Kirby Park. The tracks cross the park's entrance drive. There is no crossing gate, only a stop-look-listen sign. A train-motor vehicle collision could cause a spill of the locomotive's diesel fuel, and if there were a derailment, spilled materials could reach the slough, where currents could spread them to marshes and mudflats with almost no access.
3. The trestle crossing the Slough at its upper end. Wood pilings are again set in wet peat soils and vulnerable to earthquake, like the trestle at Parson's Slough. Depending on the tide, materials spilled here could eventually reach the whole slough system. However, its location at the extreme end of the Slough would probably provide more time to protect the most sensitive spots down channel.
4. The Highway 1 bridge. A collision involving a tractor-trailer rig could cause a spill at the Slough's mouth and at a location where currents are some of the fastest. The amount spilled would likely be less than a spill from one or more rail cars, but currents could carry spilled material to areas where there are sensitive marshes and special-status marine mammals are often present. Traffic on Highway 1, often heavy, is composed of passenger cars, agriculture machinery and trucks, which carry a wide variety of finished products and raw materials, including agricultural produce.
5. Elkhorn Road bridge over drainage into upper Elkhorn Slough. A collision involving a tractor-trailer rig could cause a spill at the same location as the trestle that parallels the road along this stretch. The spilled amount would probably be less than from a rail car at the same location, and its location at the extreme upper end of the Slough would probably provide more time to protect the Slough's most sensitive spots.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Elkhorn Slough is an extensive marsh system and a key location for migratory birds. It is vulnerable year round, but particularly so during spring and fall migrations. Extensive mudflats are vulnerable, and would be difficult for responders to work effectively without further damaging their habitat values.

Elkhorn Slough supports 260 species of birds including endangered clapper rails and brown pelicans. There is a Caspian tern rookery in the south marsh, as well as California least terns. The bank swallow (threatened) can be found at the inlet (NDDDB). Perigrine falcons occur in the slough

Sea otters (federally listed, harbor seals; Santa Cruz long-toed salamander  
 tidewater goby

are over 400 species of invertebrates including gaper clams, Washington clams, and littleneck clams.

Within the salt ponds is the mimic Tryonia plant species (candidate species, NDDB). The Monterey

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

There are cultural sensitivities in this area. Contact SHPO and local CHRIS database consultant.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 766, 6930. Elkhorn slough has an active educational outreach program. It is known to bird watchers from all over the world.

### 3-310 -A Site Strategy - Elkhorn Slough

County and Thomas Guide Location

1055 Monterey

NOAA CHART

### 3-310 -A

Latitude N Longitude W

36° 48.5' 121° 47.7'

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Elkhorn Slough supports 260 species of birds including endangered clapper rails and brown pelicans. There is a Caspian tern rookery in the south marsh, as well as California least terns. Harbor seals haul out and pup spring-summer. Sea otters (federally listed) have used the area for several years. There are over 400 species of invertebrates including gaper clams, Washington clams, and littleneck clams. The endangered Santa Cruz long-toed salamander and tidewater goby (candidate species) live here. The bank swallow (threatened) can be found at the inlet (NDDB). Within the salt ponds is the mimic Tryonia plant species (candidate species, NDDB).

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-310.1 Objective: Prevent oil from reaching marshes and mudflats.

ACP DATE

Deploy strategy described for Moss Landing Inlet. For spills from other likely sources, consider sorbents or polymerizers.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-310.1		6000	12000	OS*	8	4 Stakes & 4 Danforth as needed	2		0 VSW boomboat. Remark: backup to Mos		10

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Elkhorn Slough is surrounded by roads, almost all of which are two-lane. However, direct road access to water's edge is extremely limited. Union Pacific's tracks provide the best access for heavy machinery and response equipment; however, access is still limited. Elkhorn Slough is over seven miles long, roughly shaped like the letter "S" extending east from State Highway 1 which crosses the slough near its entrance, effectively dividing the Slough from Moss Landing Harbor.

**LAND ACCESS:** large trucks within harbor; otherwise 2WD at Kirby Park.

**WATER LOGISTICS:** Access mostly by water but limited to channels.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Boat launch at Moss Landing Harbor; skiff launch at Kirby park limited by tide stage. Wide mudflats accessible by airboat, if at all.

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

If made available, Moss Landing Power Plant has an excellent room for a command post. The building stands by itself and is adjacent to state highway 1. Moss Landing Harbor and Elkhorn Slough NEER have good sites for mobile command posts. Moss Landing Harbor parking lot is a good staging site there are other areas in the harbor where equipment could be staged on a dock or nearby.

#### COMMUNICATIONS PROBLEMS:

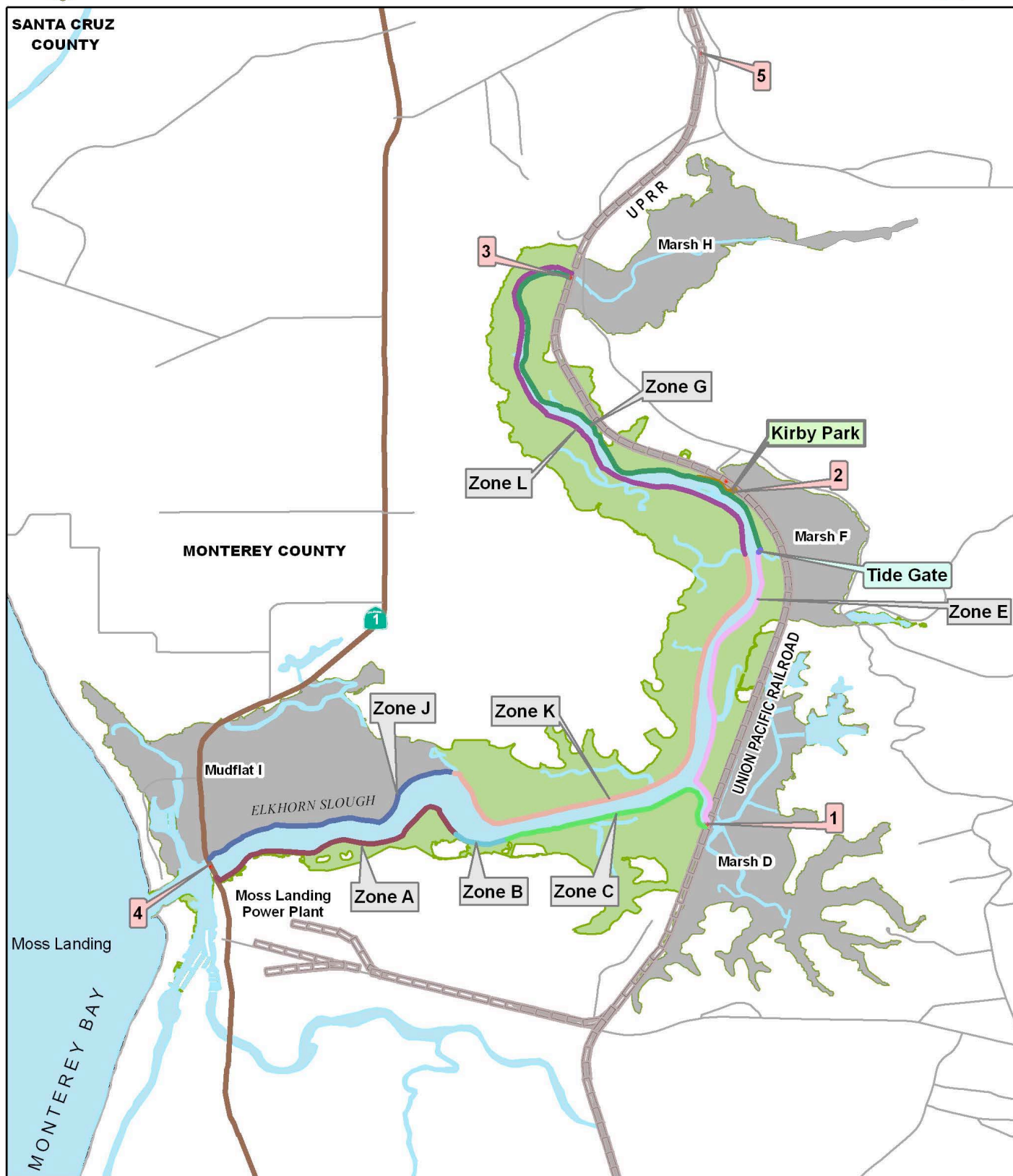
#### ADDITIONAL OPERATIONAL COMMENTS:

See Geographic Response Plan for Elkhorn Slough (hard copy).





# Central Coast Sub-Area 6 Elkhorn Slough Geographic Response Plan



Scale 1:45000

Likely Spill Location

Shoreline Protection Zone

1

Zone

0 0.5 1

Kilometers

0 0.5 1

Miles



## Site 3-310 (A)

# ELKHORN SLOUGH GEOGRAPHIC RESPONSE PLAN

## INTRODUCTION

**General Description:** Elkhorn Slough is a salt-water estuary with seasonal freshwater input from winter storms. It joins Monterey Bay through the entrance to Moss Landing Harbor, a rip-rapped channel. The Slough is over seven miles long, roughly shaped like the letter "S". State Highway 1, a two-lane road, crosses the slough near its entrance, effectively dividing the Slough from Moss Landing Harbor. Traffic on Highway 1, often heavy, is composed of passenger cars, agriculture machinery and trucks, which carry a wide variety of finished products and raw materials, including agricultural produce. About six miles of Union Pacific Railroad track are laid alongside the slough's main channel. A trestle crosses the entrance to Parson's Slough, and farther north, another crosses the slough channel almost at its farthest end. The tracks are part of the coastal route which carries AMTRAK passengers and the goods of interstate commerce. Rail and truck cargoes are in bulk, in containers or in tanks. Loads that pose a threat to living natural resources of Elkhorn Slough include oil, industrial chemicals, fertilizers and pesticides.

**Currents:** Twice-daily tides cause almost all of the water exchange in Elkhorn Slough. Although narrow, the main channel carries large volumes of water which flood large marshes and mudflats on either side of the channel's full length. As a result, currents are fairly fast. Currents are particularly swift as they pass through restrictions at Highway 1 and the entrance channel at Parson's slough, and have scoured deep channels.

**Hydrology:** Elkhorn Slough drains approximately 61.2 square miles of mostly agricultural lands, devoted primarily to dairy farms and truck crops. However, surrounding soils are sandy so little freshwater run-off reaches the slough except during winter rains. It is estimated that a complete water exchange requires about two complete tidal cycles. Although Moss Landing Harbor straddles the slough beyond the Highway 1 bridge, studies indicate there is little mixing of waters between them. Elkhorn Slough tides are characterized as mixed because there is a major high, a major low, a minor high and a minor low tide, in varying sequence, approximately every 24 hours. Greatest currents develop shortly after the tide turns, then diminish as the tide proceeds to slack high or low. Response supervisors should have tide tables or charts to assure worker safety and to plan response actions. Currents are approximately 2.5 knots at maximum flood or ebb.

**Access:** Elkhorn Slough is surrounded by roads, almost all of which are two-lane. However, direct road access to water's edge is extremely limited. Union Pacific's tracks provide the best access for heavy machinery and response equipment; however, access is still limited. The Highway 1 bridge clearance restricts boat size to small skiffs. There is a launch ramp at Kirby Park, but bottom configuration limits boats of any draft to the main channels only, and even there, low tides will sometimes strand them. As a consequence, boat access is limited to small to medium-sized skiffs drawing less than three feet draft. Helicopters may be the best platform for moving personnel and large amounts of response equipment and may also be a means for delivering and towing boom. Elkhorn Slough National Estuarine Research Reserve is managed by California Department of Fish and Game and can be contacted at (831) 728-5939 if a spill should occur in the vicinity of the reserve.

**Likely Locations for Spills:** Five sites seem vulnerable to spills. Listed in order of likelihood and probable spill severity they are:

1. The trestle crossing the entrance to Parsons's Slough. Wood pilings are set in wet peat soils. Earthquakes cause peat soils to move substantially which weaken the trestle's structure. A spill would seriously affect Parson's Slough and could be carried up and down channel by the next tide cycle. A derailment here would be difficult to deal with effectively because the track is the only way to get wreckage-removal and spill-response equipment to the site.
2. The grade crossing at Kirby Park. The tracks cross the park's entrance drive. There is no crossing gate, only a stop-look-listen sign. A train-motor vehicle collision could cause a spill of the locomotive's diesel fuel, and if there were a derailment, spilled materials could reach the slough, where currents could spread them to marshes and mudflats with almost no access.
3. The trestle crossing the Slough at its upper end. Wood pilings are again set in wet peat soils and vulnerable to earthquake, like the trestle at Parson's Slough. Depending on the tide, materials spilled here could eventually reach the whole slough system. However, its location at the extreme end of the Slough would probably provide more time to protect the most sensitive spots down channel.
4. The Highway 1 bridge. A collision involving a tractor-trailer rig could cause a spill at the Slough's mouth and at a location where currents are some of the fastest. The amount spilled would likely be less than a spill from one or more rail cars, but currents could carry spilled material to areas where there are sensitive marshes and special-status marine mammals are often present.
5. Elkhorn Road bridge over drainage into upper Elkhorn Slough. A collision involving a tractor-trailer rig could cause a spill at the same location as the trestle that parallels the road along this stretch. The spilled amount would probably be less than from a rail car at the same location, and its location at the extreme upper end of the Slough would probably provide more time to protect the Slough's most sensitive spots.

## **RESPONSE**

A spill in any of the listed likely locations will almost surely affect the whole complex of channels, marshes and mudflats that make up Elkhorn Slough. Delay will severely affect response options. Given the Slough's length of just over seven miles and estimating an average current of 1 knot for the six-hour duration of the ebb or flood, within one full tidal cycle, it seems likely a spill in any part of the slough could travel throughout the wetland complex. It further seems likely that protective efforts will be futile after a second full tidal cycle, or one 24-hour period. Given these estimates, time is the most limited and fugitive resource for a spill response at Elkhorn Slough. At present, nearest response equipment and workers are located at Richmond, California and other locations in the San Francisco area. Travel time from Richmond with boats and equipment in tow will be two hours at highway speed limits, more likely three hours or more with typical traffic densities present. Responders will need additional time, a half hour at least, to mobilize and get on the road. When added to delays before notifications are received, it seems likely five or six hours -- or one ebb (or flow) cycle will have passed before responders begin their work. Remote location of responders and equipment argues for staging equipment nearby. Because Union Pacific's tracks traverse much of the Slough, it seems reasonable to suggest resources be cached in rail cars located at Watsonville to the north and at Duke Power Plant, Castroville or Salinas to the south. Additional material should be located in Moss Landing for response

to a spill at the Highway 1 bridge. Observations of driftwood and other debris, along with direction of prevailing winds, indicate spilled materials will be wind-driven to the southern and eastern edges of the channel and into Parson's Slough.

This geographic response plan recommends a response to a spill at each of five locations, and for each, ranks strategies according to estimates of where tide currents might carry spilled materials. The plan addresses not only oil spills but considers spills of chemicals in 24 other categories. For some, no response is necessary; for others, no response is reasonably feasible. Response suggestions are offered for nine categories where response may be possible, after worker health and safety are assured.

Table 1 presents a summary overview of the Slough, its living resources and ranked strategies to protect them.

Table 2 presents ranked strategies for spills at each location depending on tide.

Figure A illustrates the strategies.

Figure B portrays the rank order for deploying equipment for a spill at each location depending on the tide. The plan assumes health and safety will be protected and does not deal with this issue. It does it address securing the spill or containing the spill at its source to the extent possible. These issues will be dealt with during incident response plans.

### **Likely Spill Locations & Possible Trajectories:**

Listed in order of probable severity of adverse effect. Please also refer to Figure A.

#### **(1) Derailment at Parson's Slough Trestle.**

The tracks crossing Elkhorn Slough are part of the interstate coastal rail route. Trains carry passengers and goods of all kinds, including oil and hazardous materials. Access is limited except by railroad. Thus, a derailment at this site would present a serious threat to the Slough's living natural resources and a difficult cleanup problem. A derailment would likely cause several rail cars to fall into slough waters or onto mudflats alongside the rails.

Parson's Slough inlet is approximately at the midpoint of the major tidal volume. A spill at this point would spread over the slough on a flood tide, spread to Moss Landing Harbor on an ebb tide, then, on the following flood, would likely split. One portion would re-enter Parson's Slough and the other would continue up channel to contaminate Elkhorn Slough's middle reach and beyond. It's highly likely that the entire estuarine system would be contaminated by the end of two full tidal cycles. Prevailing winds would most probably drive spilled materials to Elkhorn Slough's eastern shoreline and perhaps deeper into Parson's Slough.

Parson's Slough is home to several protected species. The south side of the channel to Parson's slough is a harbor seal haulout area, and the north side is a Caspian tern rookery. In addition, southern sea otters raft in the main section of the Slough, just to the east of the channel.

#### **(2) Collision with auto and possible derailment at Kirby Park.**

The entrance to Kirby Park crosses the tracks approximately two thirds of the distance between Highway 1 and Elkhorn Slough's uppermost limit. There is no barrier gate nor flashing signal, only a Stop-Look-Listen sign. A motor vehicle struck by a train as the auto crossed the tracks could cause a derailment possibly resulting in spilled product flowing into the slough. Good vehicle access to the park will make wreckage removal easier than at other likely spill locations. However, marshes and other natural areas are nearby where access is limited. Additionally, responders on foot could cause as much damage to living resources as the spill itself.

Kirby Park is adjacent to several large mudflats. Flood tides would likely carry contaminants into the upper most reaches of the slough. Ebb tides would carry spilled materials into the middle reach, and almost certainly by the second ebb, to Moss Landing Harbor. Prevailing winds would probably tend to keep contaminants on the east side of the channel.

The Caspian tern rookery is seaward of Kirby Park. Shore birds and waterfowl are abundant year round, and seasonally superabundant. Mudflats support many invertebrates which make the foundation of Elkhorn Slough's food pyramid.

(3) Derailment at northern trestle near Elkhorn Road.

The northern trestle crosses Elkhorn Slough channel almost at its upper end. A derailment at this location would almost certainly result in one or more rail cars in the slough. Elkhorn Road parallels the tracks here and provides some access to aid cleanup operations.

A flood tide would likely spread contaminants to the slough's uppermost limits. Ebb tides would carry spilled materials past the mudflats, rookery, haulouts and otter rafts already mentioned. Water at this site is probably too shallow for all but the smallest boats. Thick mud presents a safety hazard to response workers.

A spill at this site would adversely affect waterfowl, shorebirds and invertebrates.

(4) Collision at Highway 1 bridge.

Highway 1 crosses Elkhorn Slough where it joins with Moss Landing Harbor. A spill at this point would affect the lower to middle reaches of the slough and would likely spread into the harbor. In addition, annual or monthly highest tides could carry contaminants to the uppermost reaches. The road provides good access for wreckage removal and makes logistics for spill response easiest at this site of all the likely spill locations. In addition, each tractor-trailer carrying goods holds about half the quantity transported by its railroad counterpart. The bridge is fairly distant from the most sensitive habitats. As a consequence of these two factors, a spill at Highway 1 poses a smaller threat than railroad spills.

Flood tides and prevailing winds will carry spilled materials well into the middle reaches of the slough and perhaps into Parson's slough. Contaminants would probably spread over the mudflats at the Moss Landing Wildlife Area. Ebb tides could carry spilled material into either arm of Moss Landing Harbor and out the harbor entrance into Monterey Bay.

In addition to threats to living resources mentioned earlier, a spill from the bridge could affect intertidal invertebrates, waterfowl and shorebirds in the Wildlife Area and in the harbor where sea otters might also be at risk.

(5) Collision at or near Elkhorn Road bridge.

Elkhorn Road crosses a major drainage to Elkhorn Slough, but at a point above the slough proper. A collision in this vicinity could cause contaminants to flow into the slough's upper reaches. Spilled quantities would likely be one or two truckloads of a wide variety of goods, including agricultural chemicals.

Flow into the slough may or may not occur, depending on whether tides reach the spill site or if it is raining.

Living resources in this vicinity include those mentioned earlier for the trestle located nearby. In addition, upland and riparian habitats and species might be affected.

Figure A on the following page maps the five most probable spill locations described above. The figure also shows the subdivisions (lettered A-L) that will form the response zones for each of those hypothetical spill sites. Table 1 then describes each of those zones, and the response strategies, equipment and personnel needed to achieve the best protection for each zone. Table 2 describes the response priority for each zone relative to spill location.



**TABLE 1: RESPONSE SUBDIVISION (ZONE) DESCRIPTIONS, RESPONSE STRATEGIES AND ESTIMATED RESPONSE EQUIPMENT**

Zone	
<b>A</b>	Description:
	Length of shoreline or acreage:
	ESI type:
	Vulnerability rank (1 to 12, 1 high):
	Wildlife resources:
	Shoreline protection strategy:
	Estimated response equipment and personnel:
<b>B</b>	<b>Special comments:</b>
	Description:
	Length of shoreline or acreage:
	ESI type:
	Vulnerability rank (1 to 12, 1 high):
	Wildlife resources:
	Shoreline protection strategy:
	Estimated response equipment and personnel:
	<b>Special comments:</b>

**TABLE 1, continued.**

Zone	
<b>C</b>	Description: East edge of rip-rap to Parson's Slough inlet
	Length of shoreline or acreage: 6000'
	ESI type: Salt marsh
	Vulnerability rank (1 to 12, 1 high): 2
	Wildlife resources: Waterfowl, diving birds, gulls, terns, sea otters, harbors seals, sea lions.
	Shoreline protection strategy: Deploy swamp boom along shore to edge of Zone D; boom inlet with multiple chevron tiers of swamp boom and skimmers. Service from RR tracks or boats as feasible. Consider putting collected material in floating bladder-tanks.
	<p>Estimated response equipment and personnel:</p> <p>6000' swamp boom, or equivalent sorbent or polymer-sorbent boom.</p> <p>4 skiffs, 8 workers</p> <p>1 tender skiff, 2 workers</p> <p>1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).</p> <p><b>Special comments:</b></p> <p><b>Harbor seal haulout.</b>  <b>Avoid foot traffic on mudflats. Use airboats and, where appropriate, ATV,</b>  <b>Focus effort on NRDA.</b></p>

**TABLE 1, continued.**

<b>D</b>	Description:	Parson's Slough
	Length of shoreline or acreage:	449.4 acres
	ESI type:	Salt marsh, tidal flat
	Vulnerability rank (1 to 12, 1 high):	1
	Wildlife resources:	Waterfowl, wading birds, shore birds, intertidal invertebrates.
	Shoreline protection strategy:	Set up V-shaped boom on either side of bridge, with skimmer at throat. Provide 2 <sup>nd</sup> and 3 <sup>rd</sup> tier as possible and needed inland. End cleanup effort if oil reaches mudflat or beyond, in favor of natural recovery.
	Estimated response equipment and personnel:     <b>Special comments:</b>	8000' swamp boom, or equivalent sorbent or polymer-sorbent boom.  4 skiffs, 6 workers  1 tender skiff, 2 workers  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).  <b>Avoid foot traffic on mudflats. Use airboats and, where appropriate, ATV,</b>  <b>Focus effort on NRDA.</b>
<b>E</b>	Description:	Parson's Slough Inlet to tide gate
	Length of shoreline or acreage:	8000'
	ESI type:	Salt marsh
	Vulnerability rank (1 to 12, 1 high):	3
	Wildlife resources:	Water fowl, diving birds, wading birds, gulls and terns, sea otters.
	Shoreline protection strategy:	Deploy swamp boom along shore to edge of Zone E. Close tide gate.
	Estimated response equipment and personnel:     <b>Special comments:</b>	8000' swamp boom, or equivalent sorbent or polymer-sorbent boom.  4 skiffs, 8 workers  1 tender skiff, 2 workers  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).  <b>Caspian tern rookery on islands south of eucalyptus trees.</b> <b>Avoid foot traffic on mudflats. Use airboats, and where appropriate, ATV.</b>  <b>Focus effort on NRDA.</b>

**TABLE 1, continued.**

<b>F</b>	Description:	Mudflat behind tide gate
	Length of shoreline or acreage:	17.5 acres
	ESI type:	Salt marsh, tidal flat.
	Vulnerability rank:	8
	Wildlife resources:	Waterfowl, wading birds, shore birds, intertidal invertebrates.
	Shoreline protection strategy:	Close tide gate. If needed, set up V-shaped boom behind tide gate, with skimmer at throat. End cleanup effort if spilled oil reaches mudflat or beyond, in favor of natural recovery.
	Estimated response equipment and personnel:	300' boom (150' each leg), 4 anchors.  4 workers working from shoreline.  2-person tender crew.  1 pump and receptacle for skimmed material.
	<b>Special comments:</b>	
<b>G</b>	Description:	Tide gate to intersection with northern trestle
	Length of shoreline or acreage:	12000'
	ESI type:	Salt marsh, tidal flat
	Vulnerability rank (1 to 12, 1 high):	12
	Wildlife resources:	Water fowl, wading birds, shore birds, intertidal invertebrates.
	Shoreline protection strategy:	Deploy swamp boom along shore to edge of tidal influence.
	Estimated response equipment and personnel:	12000' swamp boom, or equivalent sorbent or polymer-sorbent boom.  6 skiffs, 12 workers  1 tender skiff, 2 workers  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).
	<b>Special comments:</b>	<b>Avoid foot traffic on mudflats. Use airboats, and where appropriate, ATV.</b>

**TABLE 1, continued.**

<b>H</b>	Description:	Northeast side of northern trestle to farthest reaches of Slough, east and north side.
	Length of shoreline or acreage:	16, 000', 250.4 acres
	ESI type:	Salt marsh, tidal flat
	Vulnerability rank (1 to 12, 1 high):	10
	Wildlife resources:	Water fowl, wading birds, shore birds, intertidal invertebrates.
	Shoreline protection strategy:	Close tide gates. If feasible, set V-shaped boom at trestle with skimmer at throat. Alternatively, deploy swamp boom fro one foot of trestle to farm road to east; deploy swamp boom along shore to edge of tidal influence.
	Estimated response equipment and personnel:	5000' swamp boom, or equivalent sorbent or polymer-sorbent boom, with 1 skimmer and 10 workers with hammers, stakes and shovels.  For each V-shaped boom placement: 200' swamp boom (100' each leg), 1 skimmer and 4 anchors, 2 skiffs and 4 workers.  1 tender skiff, 2 workers  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).  Vacuum truck at farm road.
	<b>Special comments:</b>	<b>Avoid foot traffic on mudflats. Use airboats, and where appropriate, ATV.</b>  <b>Focus effort on NRDA.</b>



**TABLE 1, continued.**

<b>I</b>	Description:	Moss Landing Wildlife Area (MLWA)
	Length of shoreline or acreage:	317.9 acres
	ESI type:	Salt marsh, tidal flat
	Vulnerability rank (1 to 12, 1 high):	11
	Wildlife resources:	Water fowl, wading birds, shore birds, intertidal invertebrates.
	Shoreline protection strategy:	If feasible with daily tides, at leach low point or channel, set up V-shaped boom with skimmer at throat. End cleanup effort if material reaches mudflat or beyond, in favor of natural recovery.
	Estimated response equipment and personnel:	For each V-shaped boom placement: 200' swamp boom (100' each leg), 1 skimmer and 4 anchors, 2 skiffs and 4 workers.  1 tender skiff, 2 workers  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).
	<b>Special comment:</b>	<b>Avoid foot traffic on mudflats. Use airboats, and where appropriate, ATV.</b>
<b>J</b>	Description:	North side of Hwy. 1 bridge to east edge of MLWA
	Length of shoreline or acreage:	5000'
	ESI type:	Salt marsh
	Vulnerability rank (1 to 12, 1 high):	5
	Wildlife resources:	Water fowl, diving birds, gulls and terns, sea otters, harbor seals, sea lions.
	Shoreline protection strategy:	Deploy swamp boom along shore to edge of Zone G. Block low spots on natural berm to prevent contamination of mudflat.
	Estimated response equipment and personnel:	5000' swamp boom, or equivalent sorbent or polymer-sorbent boom.  3 skiffs, 6 workers.  1 tender skiff, 2 workers.  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).
	<b>Special comment:</b>	

**TABLE 1, continued.**

<b>K</b>	Description:	East edge MLWA to inlet across from Kirby Park.
	Length of shoreline or acreage:	14000'
	ESI type:	Salt marsh, tidal flat
	Vulnerability rank (1 to 12, 1 high):	6
	Wildlife resources:	Water fowl, diving birds, gulls and terns, sea otters, harbor seals.
	Shoreline protection strategy:	Deploy swamp boom along shore to edge of Zone H.
	Estimated response equipment and personnel:	14000' swamp boom, or equivalent sorbent or polymer-sorbent boom.  7 skiffs, 14 workers.  1 tender skiff, 2 workers.  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).
	<b>Special comment:</b>	<b>Avoid foot traffic on mudflats. Use airboats, and where appropriate, ATV.</b>  <b>Focus effort on NRDA.</b>
<b>L</b>	Description:	Inlet across from Kirby Park to intersection with northern trestle.
	Length of shoreline or acreage:	11000'
	ESI type:	Salt marsh, tidal flat
	Vulnerability rank (1 to 12, 1 high):	7
	Wildlife resources:	Water fowl, diving birds, wading birds, gulls and terns, sea otters, harbor seals, intertidal invertebrates.
	Shoreline protection strategy:	Deploy swamp boom along shore to edge of Zone I.
	Estimated response equipment and personnel:	11000' swamp boom, or equivalent sorbent or polymer-sorbent boom.  6 skiffs, 12 workers.  1 tender skiff, 2 workers.  1 pump and pump/barge (or equivalent) for skimmed material (can be shared with other zones).
	<b>Special comments:</b>	

**TABLE 2: OIL SPILL RESPONSE STRATEGIES**

<b>Spill Location</b>		<b>Response priority for spill sites</b>
		General spill location, numbered 1-5, described above.
		Depending on whether flood or ebb tide, protect nearby (lettered) sites (described in Table A) in the priority order presented.
<b>1</b>	<b>Derailment at Parson's Slough trestle</b>	<b>Flood: D, E, G, F, K, L, H, C, I, A, J, B</b> <b>Ebb: C, K, I, A, J, D, E, G, F, H, L, B</b>
<b>2</b>	<b>Collision with auto and possible derailment at Kirby Park</b>	<b>Flood: G, H, F, L, E, K, D, C, J, I, A, B</b> <b>Ebb: H, G, F, L, E, K, D, C, J, I, A, B</b>
<b>3</b>	<b>Derailment at northern trestle near Elkhorn Road</b>	<b>Flood: H, G, L, F, E, K, D, C, A, I, J, B</b> <b>Ebb: G, L, E, F, H, K, D, C, A, I, J, B</b>
<b>4</b>	<b>Collision at Highway 1 bridge</b>	<b>Flood: I, A, J, C, D, K, E, B, G, L, F, H</b> <b>Ebb: I, A, J, C, D, K, E, B, G, L, F, H</b>
<b>5</b>	<b>Collision at or near Elkhorn Road bridge</b>	<b>Flood: H, G, L, F, E, D, C, K, J, I, A, B</b> <b>Ebb: H, G, L, F, E, D, C, K, J, I, A, B</b>

County: **Monterey**  
USGS Quad: **Moss Landing**

Thomas Guide Location

Latitude N      Longitude W  
36° 47.6'      121° 47.8'

NOAA Chart:

Last Page Update :
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**SITE DESCRIPTION:**

Park boundary on the north is Sandholdt Bridge, on the south is the Salinas River. Approximately 4 miles. Fine to medium-course grain sand beach backed by vegetated dunes. River mouth meanders up to a mile at times. The beach is exposed to open ocean waves and high surf, especially during storms. Currents, generally northward, cause driftwood accumulation, heavy at times. Ocean beach is 100% sand (ESI 3).

The Monterey Dunes Colony, a residential area, is located in the upland area. Salinas River Wildlife Area (managed by U.S. Fish and Wildlife Service ( 805-644-1766) is also nearby).

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year Round

**RESOURCES OF PRIMARY CONCERN**

snowy plovers (threatened). Other shore and seabirds are also present.. The short-eared owl can be found at the mouth of the Salinas River (NDDB)

black legless lizard (candidate species)

Squid spawn just off-shore during spring and summer months.

Pismo clams can be found in the intertidal zone

Monterey gilia (endangered),

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 773, 781, 6948, 6949. High recreational use. Beach walking, bird w

### 3-325 -A Site Strategy - Salinas River State Beach

County and Thomas Guide Location

NOAA CHART

### 3-325 -A

Latitude N

Longitude W

36° 47.6' 121° 47.8'

#### Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Seasonal (nesting) snowy plover presence will affect vehicle access, and beach access must be at direction and permission of State Park staff. Other shore and seabirds are also present. Pismo clams can be found. Squid spawn just off-shore during spring and summer months. The north end of this beach is habitat for the black legless lizard (candidate species). The short-eared owl can be found at the mouth of the Salinas River (NDDDB). On the dunes, the plant species, Monterey gilia (endangered), can be found. The entrance to the ecologically diverse Salinas River Mouth lagoon is directly adjacent to the South end of Salinas River State Beach. Dunes in this unit support the best example of native dune vegetation in the Monterey Bay Area.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-325.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

No on-site mechanical Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
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3-325.1

0

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Seasonal (nesting) snowy plover presence will affect vehicle access. Directions and access: There are four access points. Northern-most: Hwy.1 to Sandholdt Road, cross single-lane bridge and turn left into parking lot. Foot and vehicle access via boardwalk. Second: Hwy 1 to Potrero Rd. to end. Foot and vehicle access through gate. Third: Hwy 1 to Molera Rd. to Monterey Dunes Way to the end. Foot and vehicle access through gate. Southern-most: Hwy 1 to Monterey Dunes Way. At intersection, bear left to continue south on Monterey Dunes Way to the end. Farm road is slippery during wet season or when irrigation occurs. Call California Department of Park and Recreation Dispatch for access through gates, guidance, and sensitive areas, especially for the southern-most access. Park boundary on the north is Sandholdt Bridge, on the south is the Salinas River. Approximately 4 miles.

**LAND ACCESS:** 4WD

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

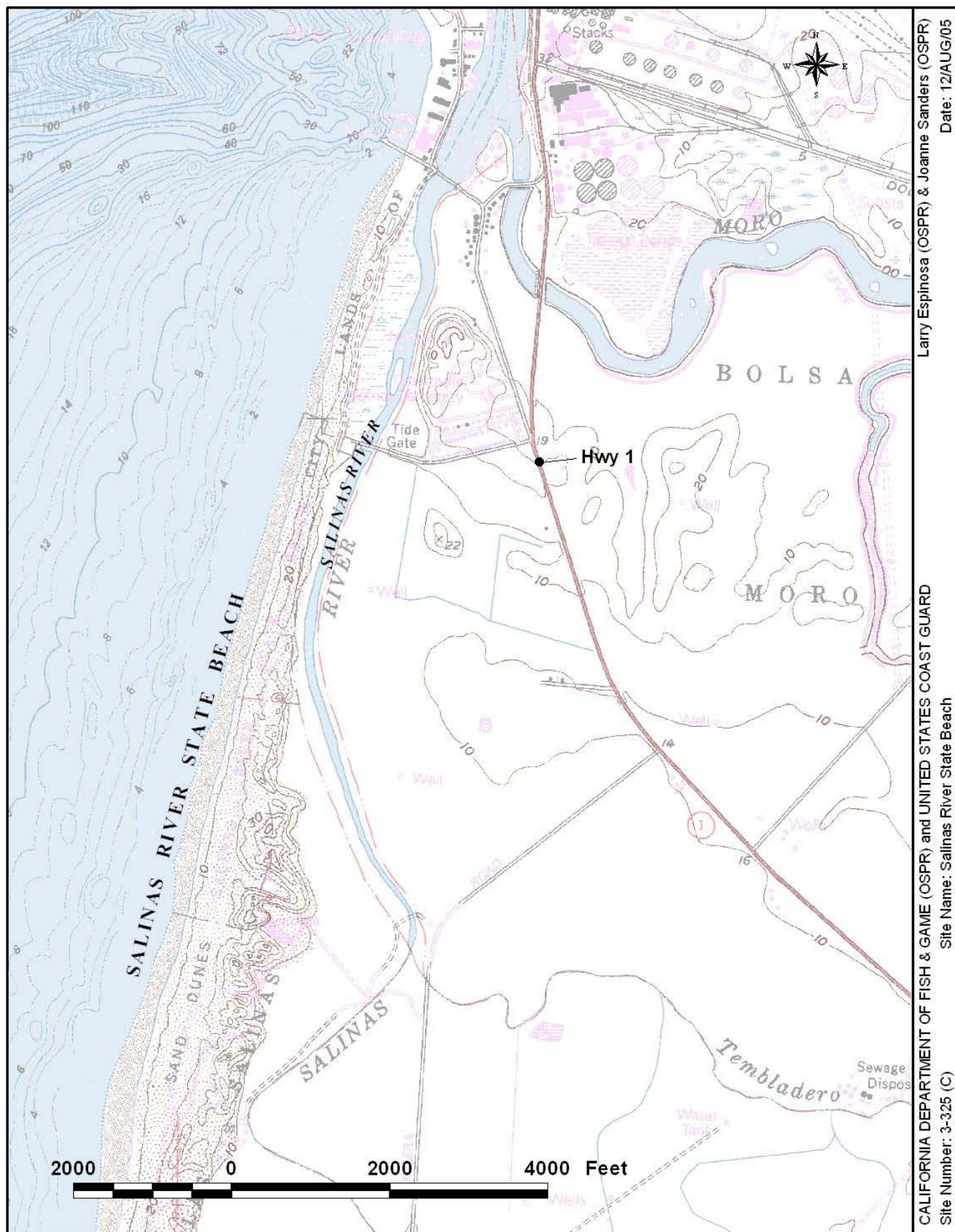
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Salinas River State Beach  
Site Number: 3-325 (C)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

County: **Monterey**  
USGS Quad: **Moss Landing**

Thomas Guide Location  
1075  
NOAA Chart:

Latitude N  
36° 45.1'  
Longitude W  
121° 48.5'

Last Page Update :
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**SITE DESCRIPTION:**

The inlet is partly within the Salinas National Wildlife Refuge (south side of inlet) and the Salinas River State Beach (north side of inlet). Designated a State Natural Preserve. Well developed marsh on banks of river.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year Round

**RESOURCES OF PRIMARY CONCERN**

Large numbers of birds, including waders, waterfowl, seabirds and shorebirds such as the endangered brown pelican, and threatened snowy plover can be found.

Also, Smith's blue butterfly, black legless lizard,

Steelhead trout are in this anadromous stream

Monterey spine flower, Monterey Indian paintbrush.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 201401987, 794, 795, 796, 857, 858, 870, 201401987.

### 3-330 -A Site Strategy - Salinas River Inlet

County and Thomas Guide Location

1075 Monterey

NOAA CHART

### 3-330 -A

Latitude N Longitude W

36° 45.1' 121° 48.5'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Snowy plover habitat is generally well marked, but contact U/C resources at risk specialist for plover presence before disturbing the site. Large numbers of birds, including waders, waterfowl, seabirds and shorebirds such as the endangered brown pelican, and threatened snowy plover can be found. Steelhead trout are in this anadromous stream. Also, Smith's blue butterfly, black legless lizard, dune gilia. Plants: Monterey spine flower, Monterey Indian paintbrush.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-330.1 Objective: Exclude oil by berming and booming

ACP DATE

The river may or may not be flowing. If needed, use native sand to reinforce the natural berm, or create a berm across an open river mouth to prevent oil flow up the river. Chevron booming at the river mouth may also be appropriate depending on river status (breached or unbreached). The beach is broad enough for large 4WD vehicle access from either the Salinas River State Beach (Site 3-325 for directions) or Marina State Beach (Site 3-345 for directions).

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-330.1		2000			8 4 Stakes & 4 Danforth, as needed	1			0 2000 sand bags, 3600' 6" PVC pipe & fitti	10	

#### LOGISTICS

##### **DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Seasonal (nesting) snowy plover presence will affect vehicle access. For access from south, take Hwy. 1 to the city of Marina. The primary access point to the beach is from the Reservation Rd. parking area at the north end of the State Beach. Vehicle access (4WD/ATV only) available from left side of parking lot.

Access from north, Hwy 1 to Molera Rd. to Monterey Dunes Way to the end. Foot and vehicle access through gate. Southern-most: Hwy 1 to Monterey Dunes Way. At intersection, bear left to continue south on Monterey Dunes Way to the end. Farm road is slippery during wet season or when irrigation occurs. Call California Department of Park and Recreation Dispatch for access through gates, guidance, and sensitive areas, especially for the southern-most access. The inlet is partly within the Salinas National Wildlife Refuge (south side of inlet) and the Salinas River State Beach (north side of inlet). Designated a State Natural Preserve.

**LAND ACCESS:** 4WD

#### **WATER LOGISTICS:**

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

#### **FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

#### **COMMUNICATIONS PROBLEMS:**

#### **ADDITIONAL OPERATIONAL COMMENTS:**

SALINAS POWER

Recorder(s) MDH/TMM

REG. NO. (9-57) 1150 CHH 11885 EPL  
KENTLAND Y

Inlet Classification C

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

Recommended  
Oil-Catchment Area

77






50

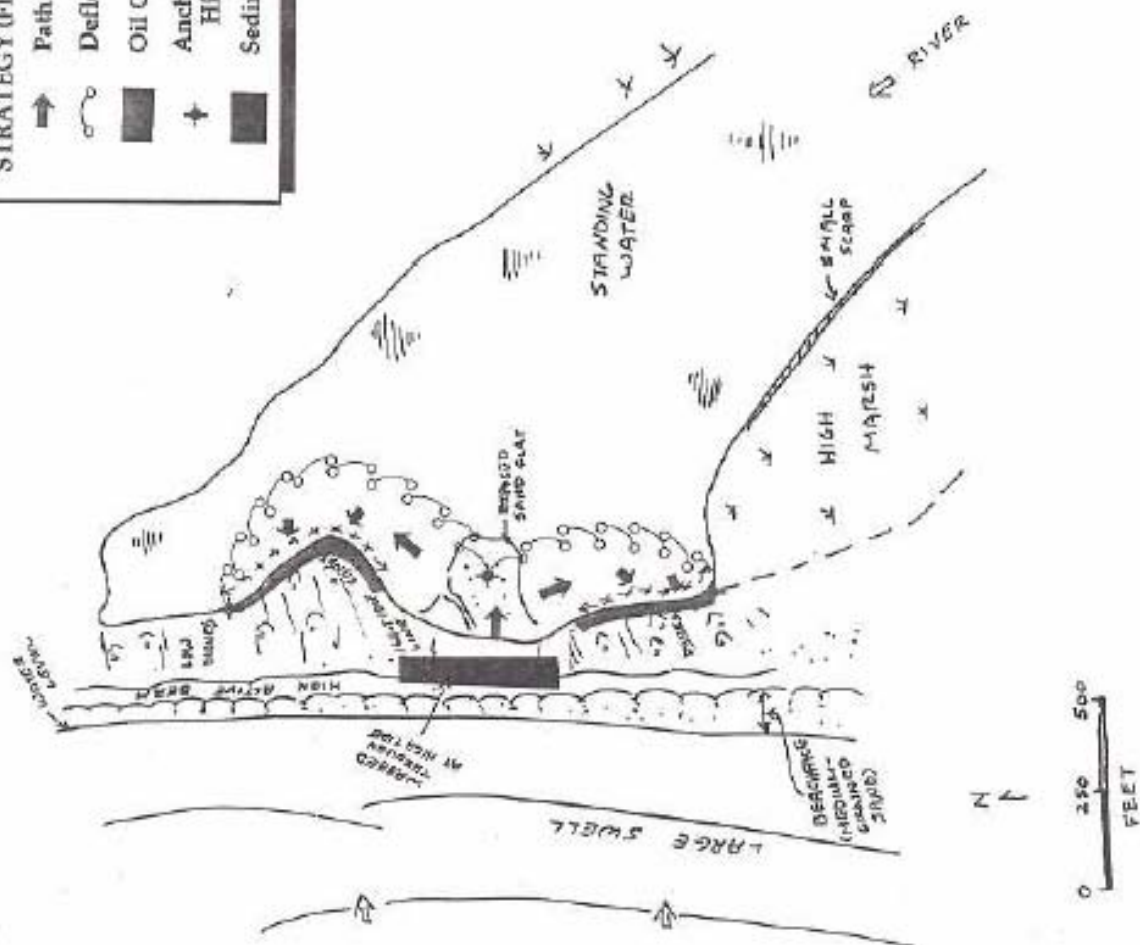



*W. J. H. J.*

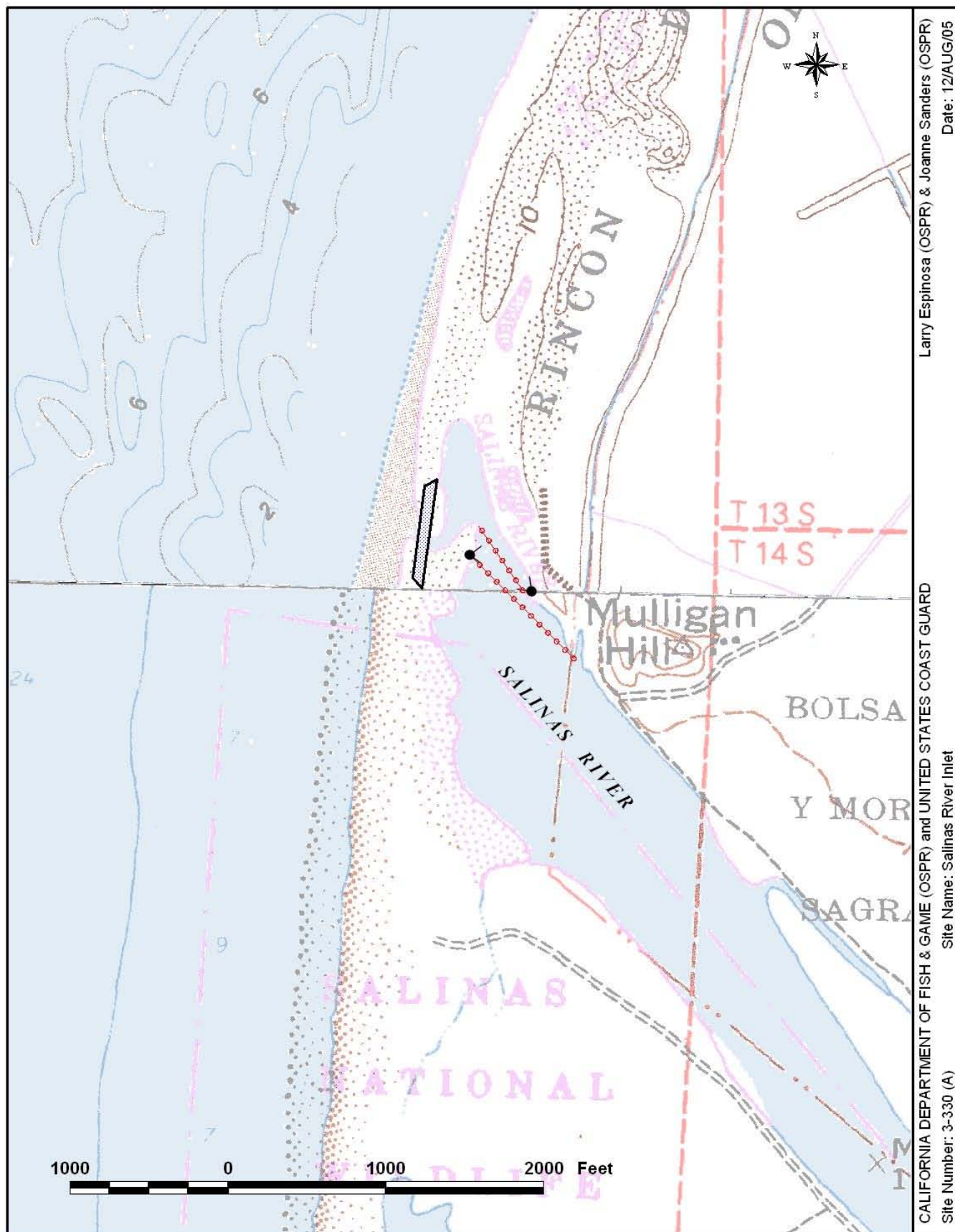
**Last High-Tide  
Swash Line**

### POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

	Path Of Oil
	Deflection Boom
	Oil On Shoreline
	Anchor Point/ Hinge Line
	Sediment Dike







Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Salinas River Inlet  
Site Number: 3-330 (A)



### 3-340 -A Site Summary- Monterey Dunes Colony

3-340 -A

County: **Monterey**  
USGS Quad: **Seaside**

Thomas Guide Location  
1055, 1075  
NOAA Chart:

Latitude N  
36° 46.1'  
Longitude W  
121° 48.2'

Last Page Update :
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#### SITE DESCRIPTION:

Fine to medium grained sandy beach. Salinas River Inlet (3-330) is immediately down the coast from the Monterey Dunes Colony. Salinas River State Beach (3-325) is seaward of the dunes.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Snowy plovers (threatened); shore and seabirds such as willets and sanderlings

Black legless lizard (candidate species)

Squid spawn offshore during spring and summer.

Monterey spineflower (proposed endangered), and the Monterey gilia (endangered, NDDB).

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 850, 6955, 6956. Monterey Dunes Colony is a waterfront residential

### 3-340 -A Site Strategy - Monterey Dunes Colony

County and Thomas Guide Location

1055, 1075 Monterey

NOAA CHART

3-340 -A

Latitude N

Longitude W

36° 46.1' 121° 48.2'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Snowy plovers (threatened) use this beach, as well as other shore and seabirds such as willets and sanderlings. Squid spawn offshore during spring and summer. The black legless lizard (candidate species) also uses this area. Plant species include the Monterey spineflower (proposed endangered), and the Monterey gilia (endangered, NDDB).

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-340.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

Take steps to prevent foot and vehicle traffic from impacting this site.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
--------------------	----------------	---------------	--------------------	--------------	-------------------------------	--------------	-----------------	---------------------	-----------------------------------	-----------------	---------------

3-340.1

0

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Directions and access: There are four access points. Northern-most: Hwy.1 to Sandholdt Road, cross single-lane bridge and turn left into parking lot. Foot and vehicle access via boardwalk. Second: Hwy. 1 to Potrero Rd. to end. Foot and vehicle access through gate. Third: Hwy. 1 to Molera Rd. to Monterey Dunes Way to the end. Foot and vehicle access through gate; access code #1776. Southern-most: Hwy. 1 to Monterey Dunes Way. At intersection, bear left to continue south on Monterey Dunes Way to the end. Farm road is slippery during wet season or when irrigation occurs. Call California Department of Park and Recreation Dispatch for access through gates, guidance, and sensitive areas, especially for the southern-most access. Park boundary on the north is Sandholdt Bridge, on the south is the Salinas River, approximately 4 miles. Access to the former Fort Ord beaches and dunes will be restricted to the public until the Army's cleanup activities are completed.

Oil spill response personnel contact Ord Military Community, 24 hour Emergency Number (831) 242-7851 or California State Park 24-hour Dispatch (831) 649-2810. Rock slope protection for Stillwell Hall, the former soldier's club, occupies the beach for approximately 150 meters and prevents lateral beach access from Marina State Beach to Seaside State Park. Stillwell Hall bisects the shoreline. No vehicles are able to cross the beach at that point. Access to the north portion of the beach is via Marina State Beach. To access the southern half, call State Park Dispatch for directions.

Seasonal (nesting) snowy plover presence will affect vehicle access.

**LAND ACCESS:** 4WD

#### WATER LOGISTICS:

Limitations: depth, obstruction

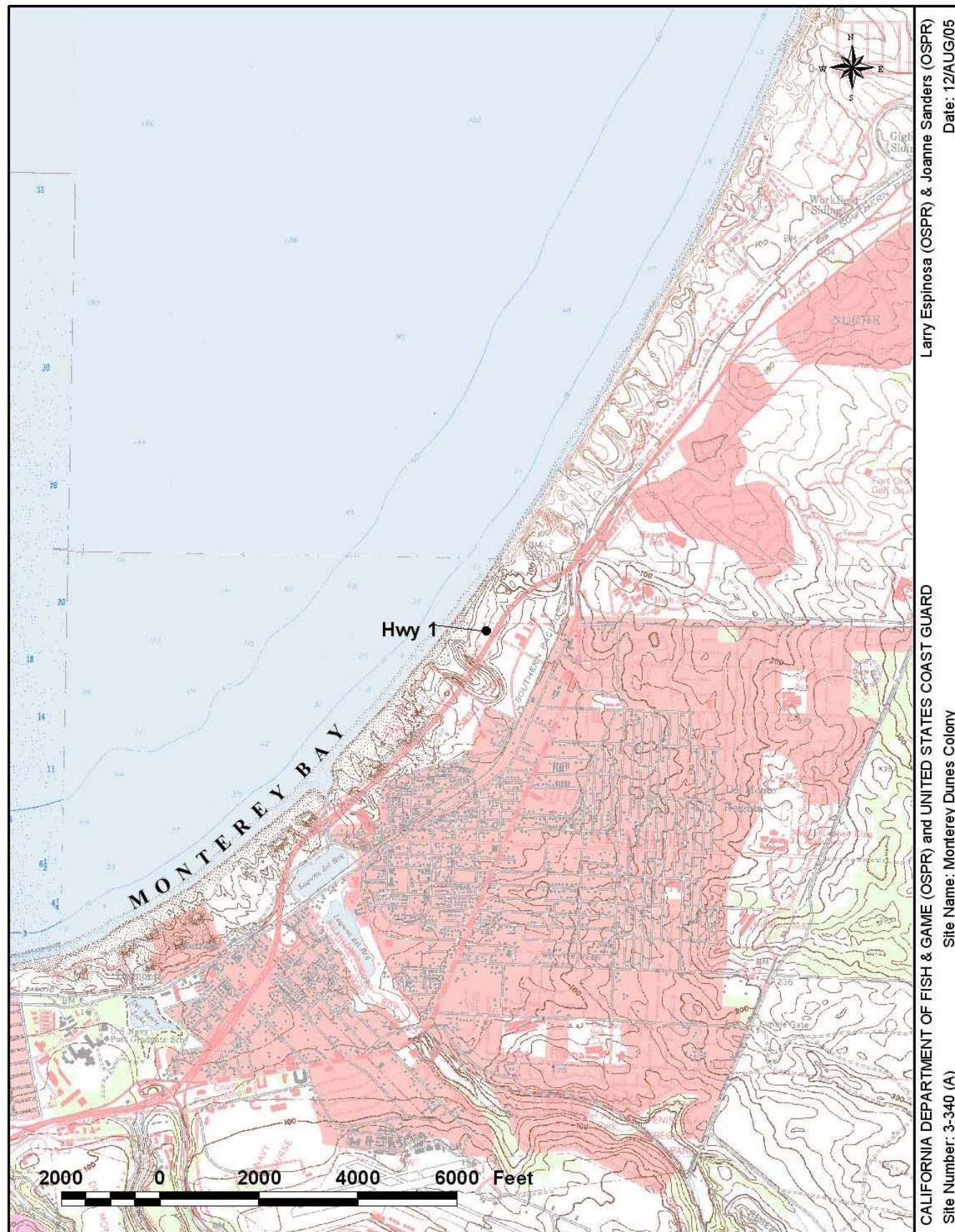
Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

County: **Monterey**  
USGS Quad: **Marina**

Thomas Guide Location  
1094  
NOAA Chart:

Latitude N Longitude W  
36° 41.97' 121° 48.86 '

Last Page Update :
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**SITE DESCRIPTION:**

Fine to medium grain sand beach backed by high vegetated dunes. A State Park Lifeguard works out of Marina State Beach. Fort Ord Dunes State Park abuts Marina State Beach on the south.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

Snowy plover (threatened) and other shorebirds.

black legless lizard (candidate species), and the globose dune beetle (candidate species)

Menzies' wallflower (endangered), Monterey spineflower (threatened), dune gilia (endangered).

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 200508153. A concession-operated hang-gliding training facility is

### 3-345 -A Site Strategy - Marina St. Beach

County and Thomas Guide Location

NOAA CHART

1094 Monterey

### 3-345 -A

Latitude N Longitude W

36° 41.9 121° 48.86 '

#### CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

Plant species of concern in the dunes include: Menzies' wallflower (endangered), Monterey spineflower (threatened), dune gilia (endangered). Birds include snowy plover (threatened) and other shorebirds. The black legless lizard (candidate species), and the globose dune beetle (candidate species) can be found in the dunes. These species of concern are present year round. Western snowy plovers nest on the beaches March through September and are present year round. Dune gilia is in flower from November through May or through June in years of high rainfall.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-345.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

No no on-site mechanical protection Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
--------------------	----------------	---------------	--------------------	--------------	-------------------------------	--------------	-----------------	---------------------	-----------------------------------	-----------------	---------------

3-345.1

0

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Take Hwy. 1 to the city of Marina. Turn right at Reservation Rd. to a 75-car coastal access parking lot. Facilities are available, including rest rooms. The primary access point to the beach is from the Reservation Rd. parking area at the north end of the State Beach. Vehicle access (4WD/ATV only) available from left side of parking lot. Seasonal (nesting) snowy plover presence will present access concerns.

LAND ACCESS: ATV; 4WD?

##### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

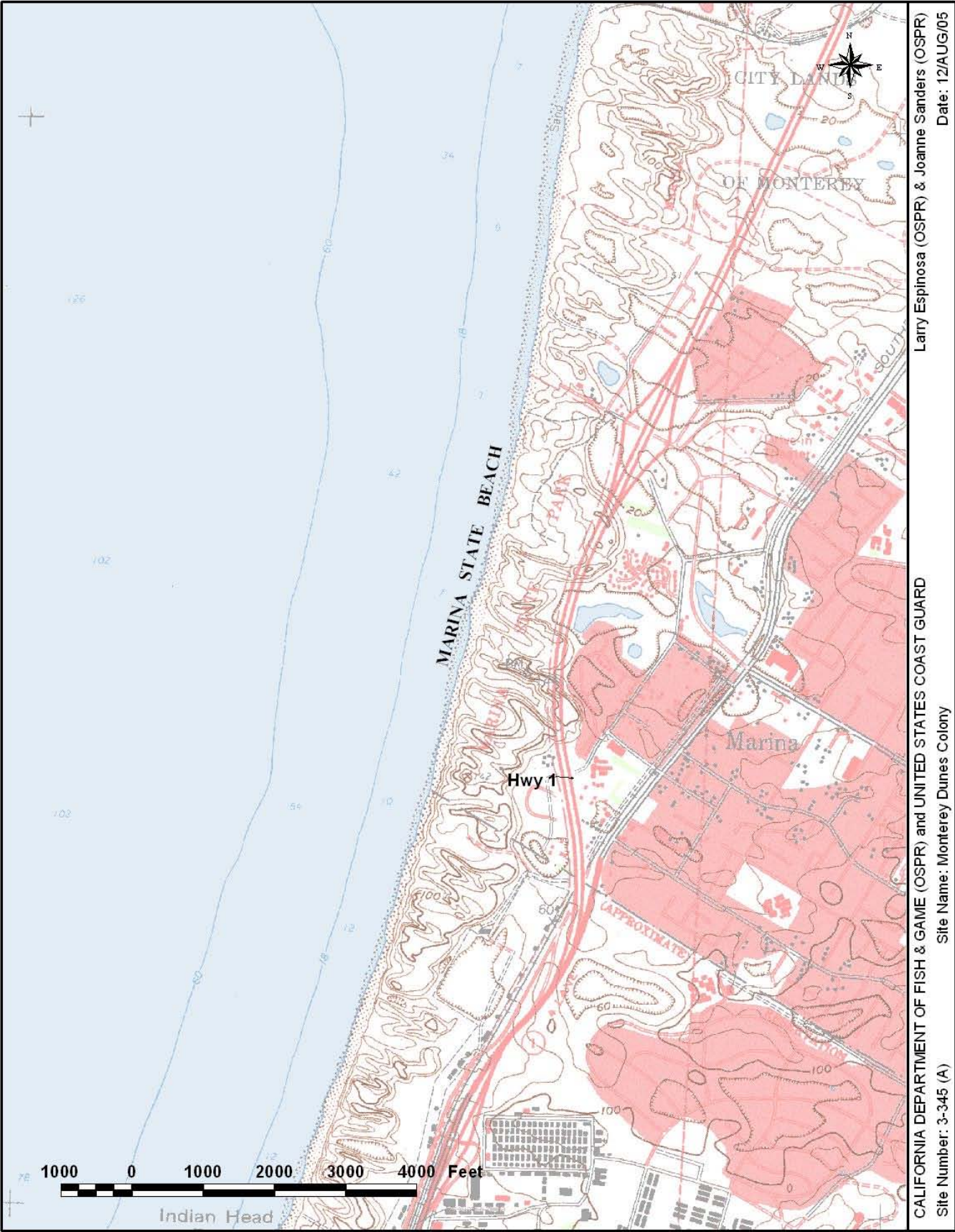
##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Staging area possible at State Beach Parking lot.

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Monterey Dunes Colony  
Site Number: 3-345 (A)

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

### 3-360 -A Site Summary- Monterey State Beach

3-360 -A

County:	Monterey	Thomas Guide Location	Latitude N	Longitude W
USGS Quad:	Monterey	1134, 1133	36° 36.4'	121° 52.9'
		NOAA Chart:		

Last Page Update :

#### SITE DESCRIPTION:

Monterey State Beach extends from near Wharf #2 in Monterey to Tioga Rd. in Sand City. This long beach is under management of several agencies. It consists of a fine to medium-grained sandy beach backed by dunes. The outlet for Roberts Lake occurs just north of the hotel. The City of Monterey manages the portion in Monterey near the wharf and along Del Monte Blvd. North of that area is a stretch of beach managed by the Naval Postgraduate School. Proceeding north is Del Monte Beach managed and owned by the City of Monterey. The dunes and beaches north of the Ocean Harbor House Condominiums are managed by State Parks.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Western snowy plover

Black legless lizard (candidate species); Smith's blue butterfly

spineflower and the coast and dune buckwheat

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 200402113, 1000. There is a major storm water outfall for the City

### 3-360 -A Site Strategy - Monterey State Beach

County and Thomas Guide Location

1134, 1133 Monterey

NOAA CHART

3-360 -A

Latitude N Longitude W

36° 36.4' 121° 52.9'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

The western snowy plover nests on the beaches and in the sparsely vegetated dunes, seasonal (nesting) presence of snowy plovers may restrict or confine vehicle access: contact State Park staff or UC/IC State scientists. The black legless lizard (candidate species) occupies the dune habitat. The threatened Monterey spineflower and the coast and dune buckwheat, host plants for the endangered Smith's blue butterfly, occur in the dunes.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-360.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

No Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
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3-360.1

0

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Exit Hwy. 1 to Del Monte Boulevard/Seaside and continue toward Monterey city center. Turn right at Figueroa Street toward the Municipal Wharf (#2) and parking. Site begins just to the north. Vehicle access available on upcoast side of Wharf 2, but seasonal (nesting) presence of snowy plovers may restrict or confine vehicle access. Monterey State Beach extends from near Wharf #2 in Monterey to Tioga Rd. in Sand City. This long beach is under management of several agencies.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

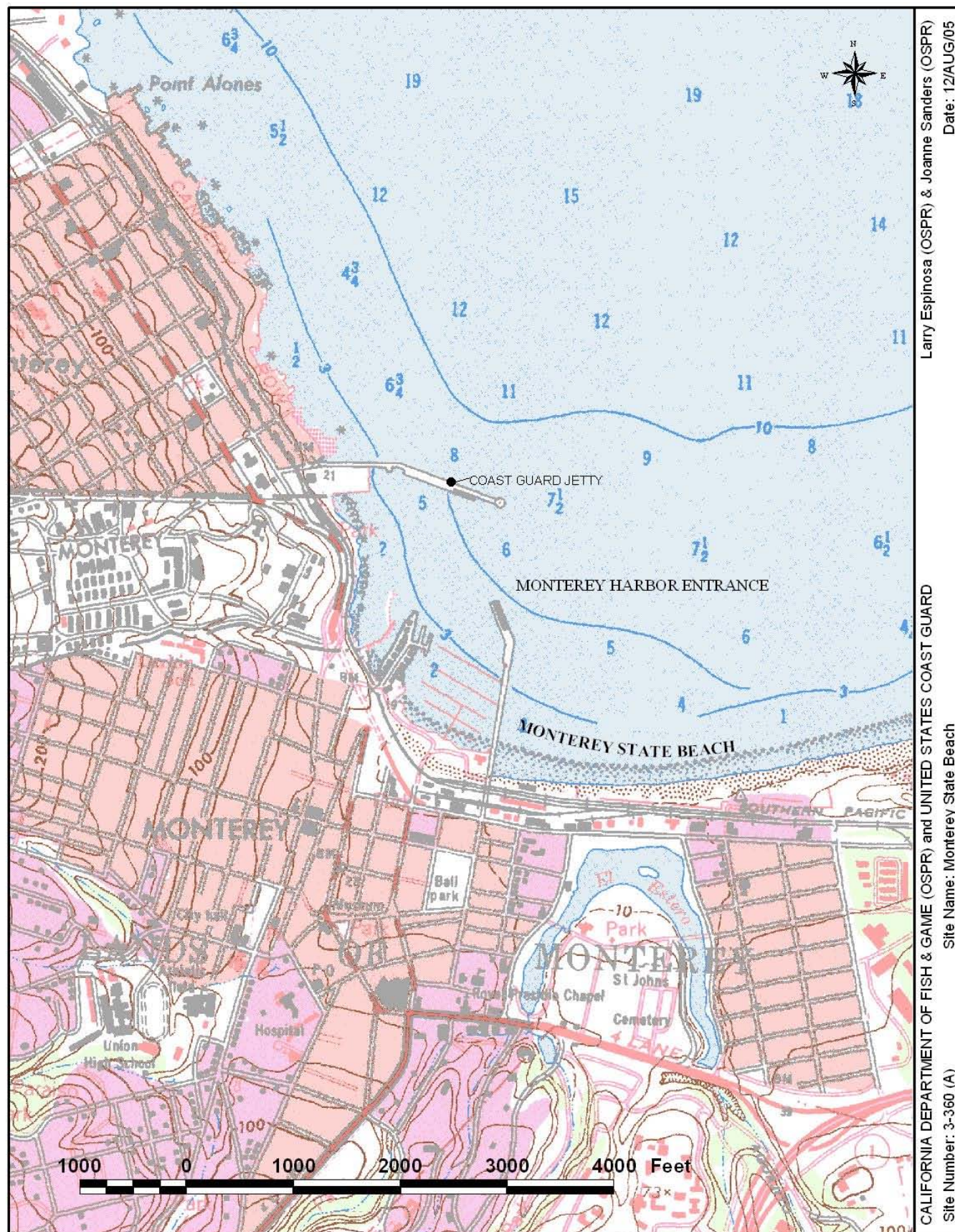
and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Monterey State Beach  
Site Number: 3-360 (A)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

### 3-370 -A Site Summary- Monterey Harbor Entrance

3-370 -A

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1133  
NOAA Chart:

Latitude N  
36° 36.5'  
Longitude W  
121° 53.1'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Monterey Harbor Entrance.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

brown pelican, western grebes and cormorants.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1002-1009, 13663-13674. Commercial wharf, fish receiving, 3-ton



### 3-370 -A Site Strategy - Monterey Harbor Entrance

County and Thomas Guide Location

NOAA CHART

1133 Monterey

### 3-370 -A

Latitude N Longitude W

36° 36.5' 121° 53.1'

#### CONCERNS and ADVICE to RESPONDERS:

Seabirds are abundant, including the endangered brown pelican, western grebes and cormorants.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Primary concern is to exclude oil from entering harbor.

Last Page Update :

#### Strategy 3-370.1 Objective: Booming to exclusion oil from entering harbor area

ACP DATE

Deploy boom as depicted in strategy diagram: boom from the USCG jetty to the commercial wharf (Wharf #2). Collection point is at beach near commercial fishing wharf. This strategy should be conjoined with strategy for USCG jetty (3-375.1).

#### Strategy 3-370.2 Objective: Back-up booming to exclude oil from entering harbor

ACP DATE

This is a second layer of boom deployed behind the first layer (strategy 3-370.1). Deploy boom from the USCG jetty to the the commercial Wharf or the seawall running south from the Wharf.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-370.1	4500				3 3 large Danforth, as needed	3	0	0		6	
3-370.2	3000				3 3 large Danforth, as needed	1		0		3	

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Directions and access: Highway 1 south toward Monterey: Take exit 402B (Pacific Grove, Del Monte Avenue). Stay on Del Monte Avenue for approximately 1 ¾ miles. At intersection of Del Monte Avenue and Figueroa, turn right into Fisherman's Wharf parking lot. Harbor District office is about mid-way between the two wharfs.

Highway 1 north toward Monterey: Take Munras Avenue exit, go about 1 ½ miles on Munras to intersection with Del Monte Avenue. Cross intersection to enter Fisherman's Wharf/Monterey Harbor parking lot.

Highway 101: Take Highway 68 west exit (John Street), proceed west to South Main. Turn left onto South Main to continue on Highway 68 toward Monterey. As approach Monterey, follow signs for Fremont Street, Monterey, or Fisherman's Wharf.

**LAND ACCESS:** Large truck

**WATER LOGISTICS:** none

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Two launch ramps available. One on USCG jetty, and one near the Harbor Masters office building.

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Several parking lots, especially those adjacent to launch ramps offer large staging areas. Nearby hotels have large rooms adequate for command post.

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:

# INLET SKETCH MAP

MONTEREY HARBOR

Inlet Name ENTRANCE, CA

Recorder(s) MOH/TMM

Date/Time FROM AERIAL PHOTOGRAPH

Tide Stage —

Inlet Classification B

## CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

XXXXXX →

Recommended Oil-Catchment Area

Y Y

Salt-Water Marsh



Fresh-Water Marsh



High-Tide Overwash Zone



Last High-Tide Swash Line

## POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)



Path Of Oil



Deflection Boom



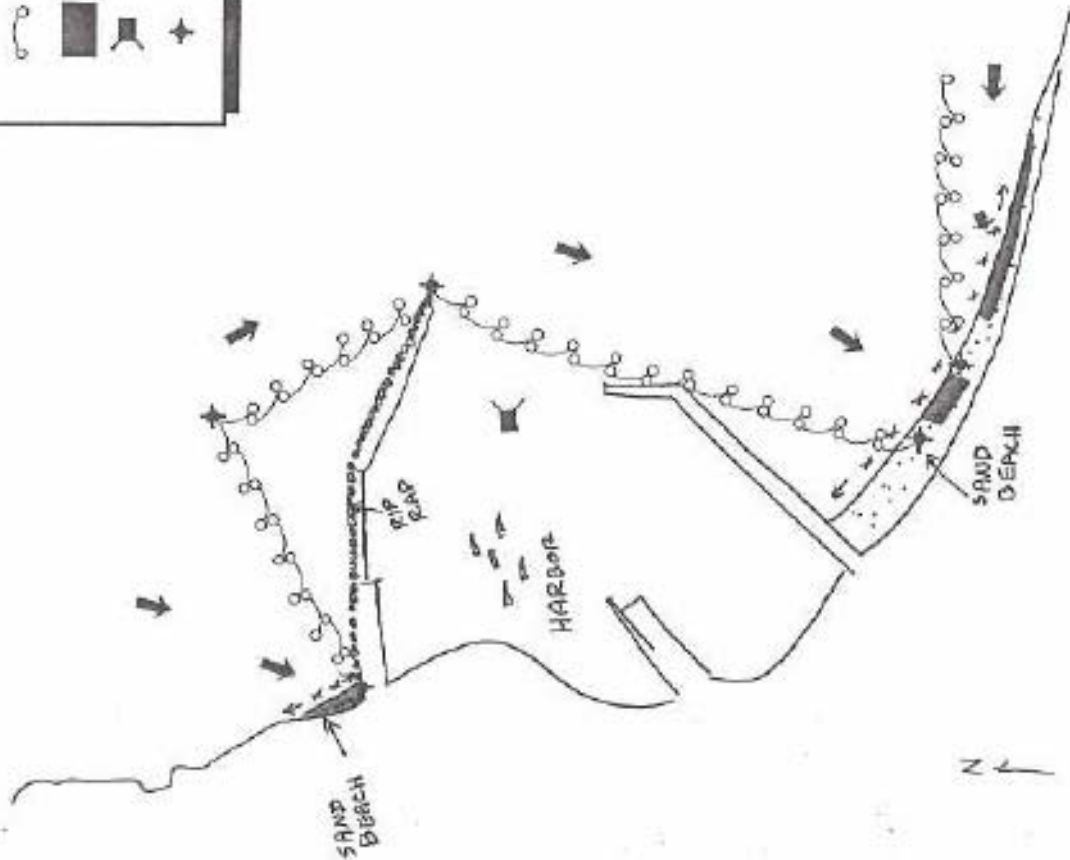
Oil On Shoreline



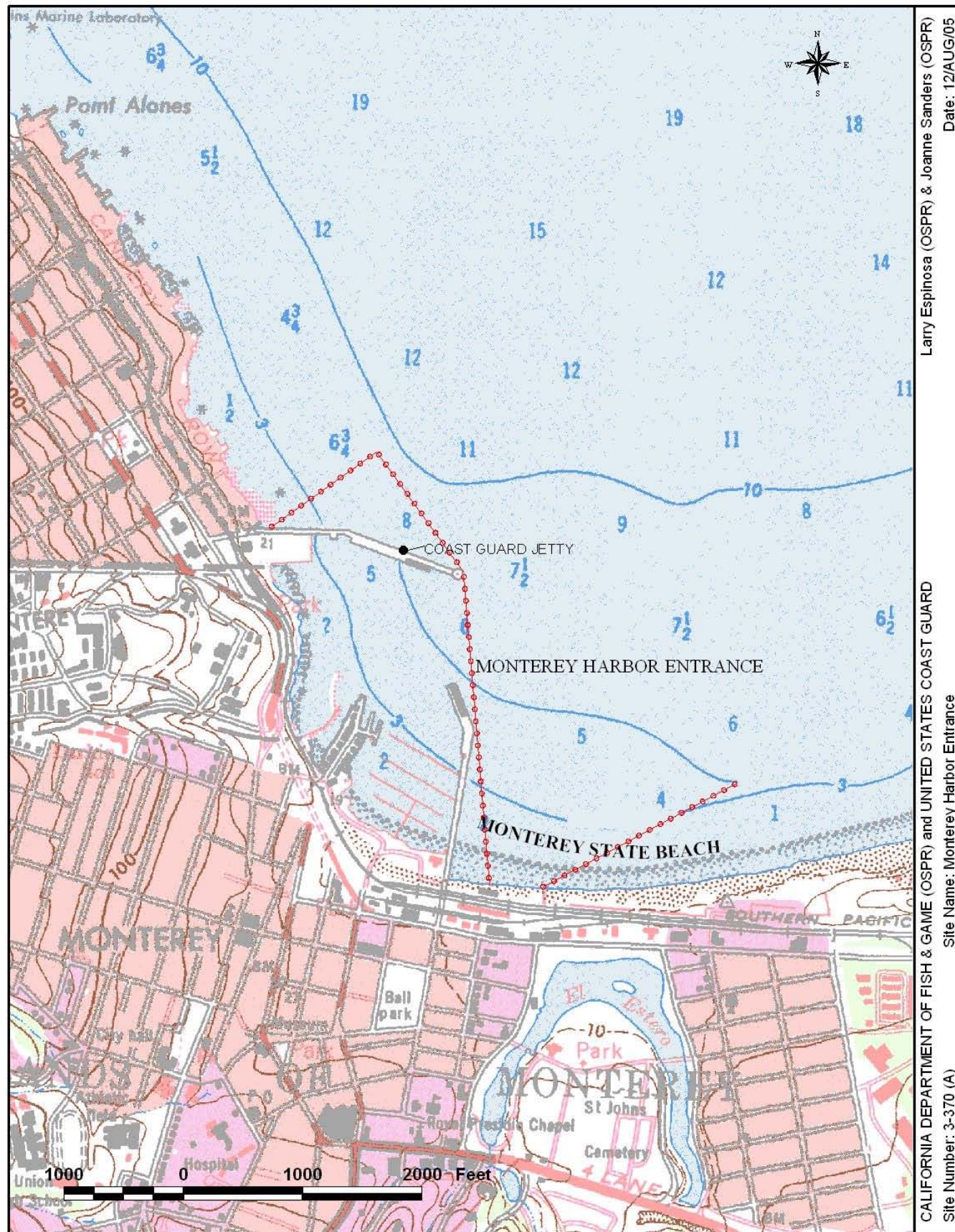
Skimmer Placement



Anchor Point / Hinge Line







Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD

Site Name: Monterey Harbor Entrance

Site Number: 3-370 (A)

- |             |              |                 |
|-------------|--------------|-----------------|
| Harbor Boom | Sorbent Boom | Dike or Berm    |
| Swamp Boom  | Other Boom   | Excellior Fence |
| sss / sfs   | tsa / sps    | tba/voo         |

### 3-375 -A Site Summary- USCG Jetty in Monterey Bay

3-375 -A

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1133  
NOAA Chart:

Latitude N Longitude W  
36° 36.4' 121° 53.4'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Coast Guard Jetty in Monterey Bay.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Brown pelicans

California sea lions: as many as 2,000 animals have been observed here.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1008, 13674, 13676 (no image shows entire length of jetty). San

### 3-375 -A Site Strategy - USCG Jetty in Monterey Bay

County and Thomas Guide Location

NOAA CHART

1133 Monterey

### 3-375 -A

Latitude N

Longitude W

36° 36.4' 121° 53.4'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

California sea lion haulout. Endangered brown pelicans are also present.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

##### Strategy 3-375.1 Objective: Booming to exclusion oil from entering harbor area

ACP DATE

Deploy boom in a flat chevron along length of jetty as depicted in strategy diagram. F

##### Strategy 3-375.2 Objective: Back-up booming

ACP DATE

Deploy a second layer of boom inside of initial layer. Leave at least 30 feet distance between the layers.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-375.1	3000				3 3 large Danforth, as needed	3		0		6	
3-375.2		3000			3 3 large Danforth, as needed	2		0		6	

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Highway 1 south (toward Monterey) take exit 402B (Pacific Grove/Del Monte Avenue). Stay on Del Monte Avenue, veering right at intersection of Del Monte Avenue and Abrego to go through the tunnel to Lighthouse Avenue. After tunnel, veer right from Lighthouse avenue onto Foam Street. Take next right to go out to Coast Guard jetty.

**LAND ACCESS:** Large truck

**WATER LOGISTICS:** none

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Two launch ramps available. One on USCG jetty, and one near the Harbor Masters office building.

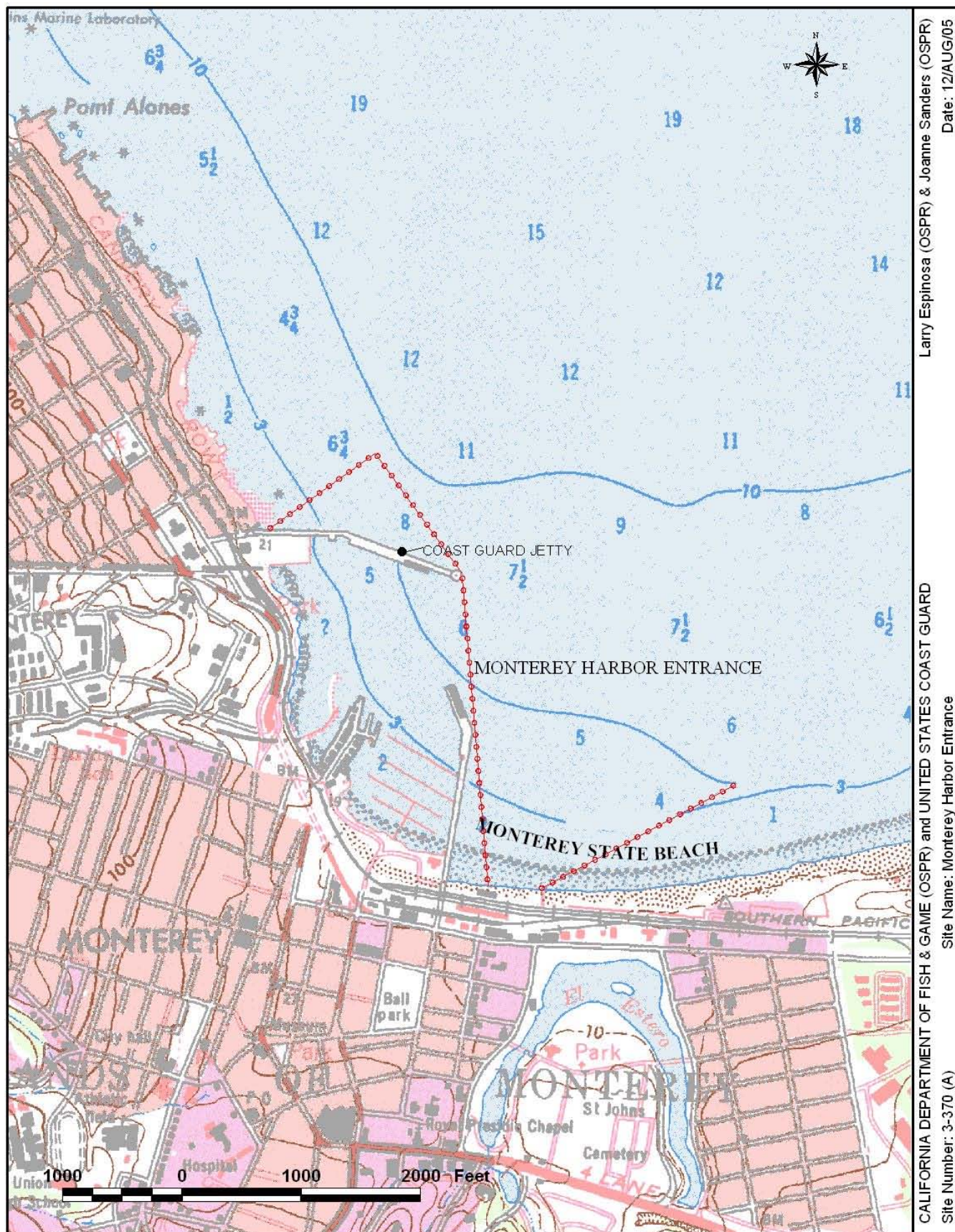
##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Several parking lots, especially those adjacent to launch ramps offer large staging areas. Nearby hotels have large rooms adequate for command post.

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Monterey Harbor Entrance

Site Number: 3-370 (A)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

### 3-380 -A Site Summary- Point Cabrillo

3-380 -A

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1113  
NOAA Chart:

Latitude N  
36° 37.5'  
Longitude W  
121° 54.1'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Point Cabrillo, a wave-cut platform.

#### SEASONAL and SPECIAL RESOURCE CONCERN

year round

#### RESOURCES OF PRIMARY CONCERN

Various species of sea birds

Sea otters; a large population of harbor seals haul out on this wave-cut platform.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1026, 1027, 1025. Upcoast from Hopkins is Monterey Bay Aquariu

### 3-380 -A Site Strategy - Point Cabrillo

County and Thomas Guide Location

1113 Monterey

NOAA CHART

3-380 -A

Latitude N Longitude W

36° 37.5' 121° 54.1'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

A large population of harbor seals haul out on this wave-cut platform. There are also seabirds and sea otters present.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-380.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

No on-site mechanical Strategy for this site.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
--------------------	----------------	---------------	--------------------	--------------	-------------------------------	--------------	-----------------	---------------------	-----------------------------------	-----------------	---------------

3-380.1

0

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Highway 1 south (toward Monterey) take exit 402B (Pacific Grove/Del Monte Avenue). Stay on Del Monte Avenue, veering right at intersection of Del Monte Avenue and Abrego to go through the tunnel to Lighthouse Avenue. Stay on Lighthouse to David Avenue, turn right on David. Turn left on Ocean View Blvd. Turn right into Hopkins Marine Laboratory on Ocean View Blvd. to access Point Cabrillo.

**LAND ACCESS:** Large truck on streets; foot access only to shoreline

##### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

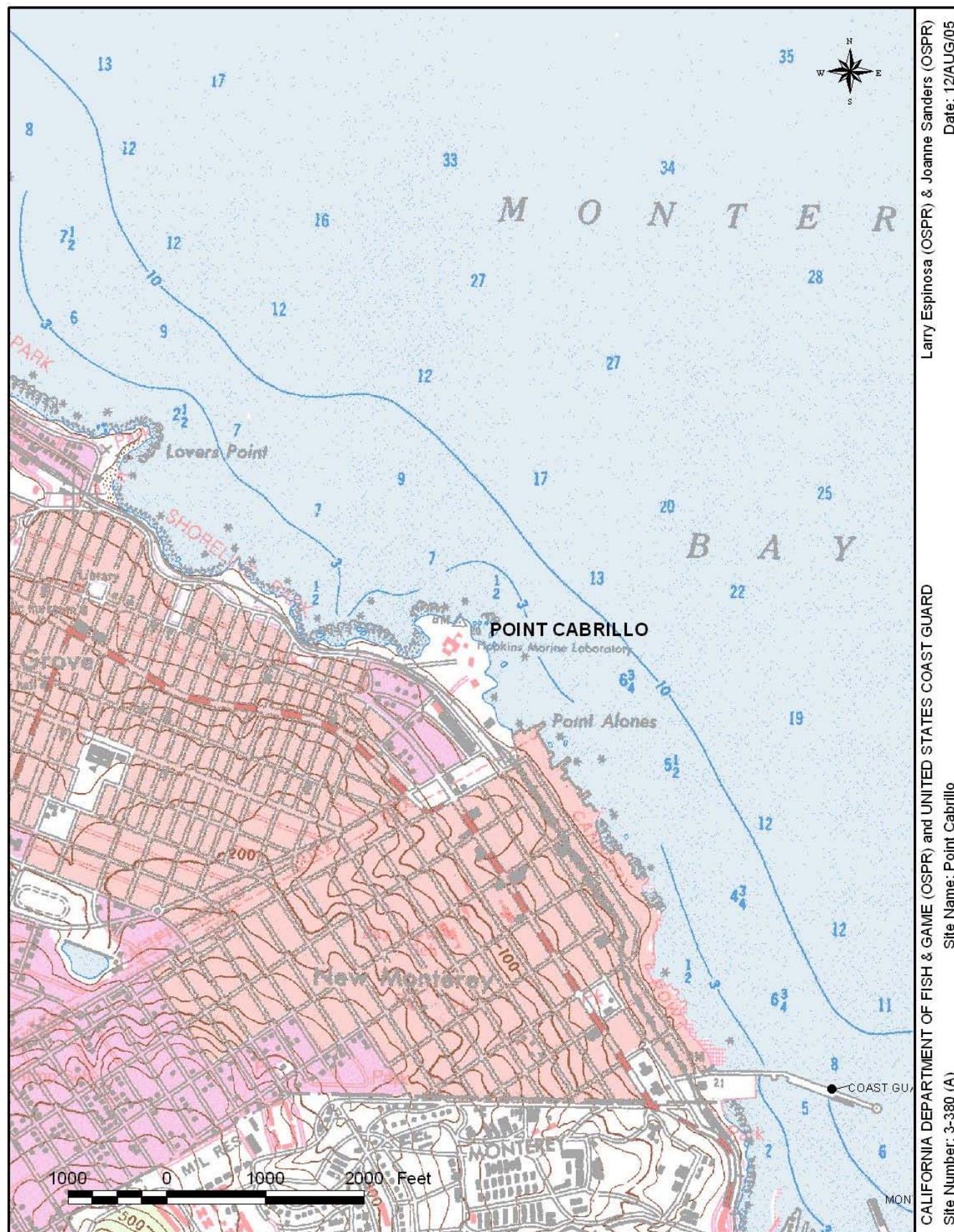
##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Staging areas in nearby parking lots if they're closed to public access.

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:





Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excellior Fence  
 tba/voo

### 3-395 -B Site Summary- Sand Hills at Point Pinos

3-395 -B

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1113  
NOAA Chart:

Latitude N  
36° 38.5'

Longitude W  
121° 56.2'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Sand Hills, at Point Pinos.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Plant species beach Layia, and Menzies' wallflower, both endangered, are dune plants (NDDDB). The endangered clover lupine grows near the ocean and on stabilized dunes. Monterey spineflower is proposed endangered.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 200402167, 1062, 1064, 1065, 1068



### 3-395 -B Site Strategy - Sand Hills at Point Pinos

County and Thomas Guide Location

NOAA CHART

1113 Monterey

### 3-395 -B

Latitude N Longitude W

36° 38.5' 121° 56.2'

#### CONCERNS and ADVICE to RESPONDERS:

There are several endangered plants at this site which could be trampled during response. Keep on paths and designated walkways. Do not disturb plants or dunes.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-395.1 Objective: Minimize activity which could damage vegetation

ACP DATE

Qualified biologist should be assigned to supervise any response activity at this site to insure that vegetation is not disturbed. Use caution tape and stakes as necessary to define protection areas and/or authorized walkways.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-395.1	0	0	0	0	0	0	0	0	0	2	

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Highway 1 south (toward Monterey) take exit 402B (Pacific Grove/Del Monte Avenue). Stay on Del Monte Avenue, veering right at intersection of Del Monte Avenue and Abrego to go through the tunnel to Lighthouse Avenue. Stay on Lighthouse to David Avenue, turn right on David. Turn left on Ocean View Blvd. Ocean View Blvd. closely follows the coastline around to Pt. Pinos and slightly beyond. The sand hills are in the general Pt. Pinos area (between intersections of Ocean View Blvd. and Surf Avenue, and Ocean View Blvd. and Jewell Avenue).

Alternative directions: From Highway 1, take Highway 68 west toward Pacific Grove. Turn left on Sunset Drive, and take it to Pt. Pinos (Sunset Drive changes name to Ocean View Blvd. at Pt. Pinos). Sand hills are between Jewell Avenue and Surf Avenue.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking


and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



 Dike or Berm  
Excellior Fence  
tba/voo

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## 9873.2 Cultural, Historical, Archeological & Economic Resources

For general information about cultural, historical and archeological resources, and the **Programmatic Agreement on Protection of historic properties during emergency response under the national oil and hazardous substances pollution contingency plan**, please refer to section 9802.1. The table below lists the cultural, historical, archaeological and economic resources for this Geographic Response Area.

### Central Coast Geographic Response Area 3: Zmudowski Beach to Point Pinos

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
Includes all of this GRP		E	Monterey Bay National Marine Sanctuary 299 Foam Street, Monterey, CA 93940	Superintendent (831) 647-4201 (831) 647-4260 FAX	N
<b>Zmudowski Beach State Park</b> (Highway 1, 1 mile north of Moss Landing)	3-301	A/B	Zmudowski State Beach  River mouth is designated a Natural Preserve Recreational area Surfing area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Moss Landing Inlet</b>  (Highway 1 and Jetty Road)	3-305	C	Moss Landing State Beach  Recreational area Major surfing area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  USCG Sector San Francisco (415) 399-3547  USCG Station Monterey (831) 647-7300  CA Dept. Fish and Game Spills (24-hour): (916) 358-1300 Gen. daytime: (831) 649-2870  Dept. Fish and Game Elkhorn Slough National Estuarine Research Reserve (831) 728-5939  Monterey County OES (831) 755-5010  Monterey County Env. Health (831) 755-4511  CA Coastal Commission (915) 904-5285  Natl Marine Fisheries Service (831) 648-8515  Union Pacific Railroad (510) 437-5344	N

### Central Coast Geographic Response Area 3, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Moss Landing Inlet</b>	3-305	E	Moss Landing Harbor District  600 berths, 2 boat ramp lanes Windsurfing area in boat turning basin	Operations Department (24-Hr) (831) 633-2461  Harbor Master (831) 633-5417	N
<b>Moss Landing Inlet</b>	3-305	E	Woodward's Marine  Small craft refueling dock 1 boat ramp lane	Richard Woodward (831) 633-2620	Y
<b>Moss Landing Inlet</b>	3-305	D	Moss Landing Marine Laboratories P.O. Box 450 Moss Landing, CA 95039  Saltwater intake and discharge lines	(831) 633-4400	N
<b>Moss Landing Inlet</b>	3-305	E	Gravelle's Boat Yard 7501 Sandholdt Road Moss Landing, CA 95039 70 ton travelift Complete boat service and repair	Ron Gravelle (831) 633-2417	N
<b>Moss Landing Inlet</b>	3-305	D	Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039 Saltwater intake and discharge lines	Operations (831) 775-1700	N
<b>Moss Landing Inlet</b>	3-305	D	Duke Energy Company Moss Landing Power Plant Hwy. 1 at Dolan Road, P.O. Box 27 Moss Landing, CA 95039	Control Room (831) 633-6741 (24-Hr)	N
<b>Moss Landing Inlet</b>	3-305	D	National Refractories and Mineral Corp. Highway 1 Moss Landing, CA 95039  Saltwater intake and discharge lines	Out of business	
<b>Elkhorn Slough GRP</b>	3-310	D	Elkhorn Slough National Estuarine Research Reserve 1700 Elkhorn Road Watsonville, CA 95076	Manager Dept. of Fish and Game (831) 728-5939	N
<b>Salinas River State Beach</b>	3-325	E	Salinas River State Beach	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Salinas River Inlet</b>	3-330	E	Salinas River Wildlife Area	U.S. Fish and Wildlife Service (805) 644-1766  CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  c/o CA Dept. Fish and Game Spills (24-hour): (916) 358-1300 Gen. daytime: (831) 649-2870  County (24-hour): (831) 724-8228	N



### Central Coast Geographic Response Area 3, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Monterey Bay Dunes</b>	3-340	F	Monterey Dunes Colony  Waterfront residential area	General workday office phone: (831) 633-4000 General Manager cellular phone: (831) 809-4265  CA Dept. Fish and Game Spills (24-hour): (916) 358-1300  CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  USFWS (805) 644-1766  Ord Military Residential Area (831) 242-7851 (24 hour) (831) 429-7200	N
<b>Marina State Beach</b>	3-345	F	Marina Sand Mining RMC Lonestar		N
<b>Marina State Beach</b>	3-345	B/C	Marina State Beach  Dunes designated Natural Preserve Recreational area; surfing area; hang gliding area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Marina State Beach</b>	3-345		Fort Ord Dunes State Park  Public use restricted; ownership transfer not completed.	U.S. Army/Calif. State Parks Presidio of Monterey (POM) Annex Police: (831) 242-5634	N
<b>Monterey State Beach</b>	3-360	F	Monterey Beach Hotel Hwy. 1 and Canyon del Rey Blvd. Monterey, CA 93940  Waterfront hotel	(831) 394-3321	N
<b>Monterey State Beach</b>	3-360		Ocean Harbor House Apartments 1-125 Surf Way Monterey, CA 93940  Waterfront residences	Administrative Office (831) 655-7840	N
Monterey State Beach	3-360		Naval Postgraduate School 1 University Circle Monterey, CA 93943	Naval Postgraduate School Quarterdeck (831) 656-2441 (24-Hr)	N
<b>Monterey State Beach</b>	3-360	C/E	Monterey State Beach (sections in Sand City, Seaside and Monterey)	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Monterey State Beach</b>	3-360		Cannery Row Restaurants and Hotels	Monterey Chamber of Commerce (831) 648-5360	N

### Central Coast Geographic Response Area 3, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Monterey State Beach</b>  (Monterey Cannery Row)	3-360	D	Monterey Bay Aquarium 886 Cannery Row Monterey, CA 93940  Saltwater intake and discharge lines	Admin Office (24-hour) (831) 648-4840 Fax: (831) 648-4810	N
<b>Monterey State Beach</b>  (Monterey Cannery Row)	3-360	E	Macabee Beach	City of Monterey (831)646-3935	N
<b>Monterey Harbor Entrance</b>	3-370	E	Breakwater Cove Marina / Monterey Bay Boat Works  70 slips; bilge pump-out; diesel/gas; chandlery 70-ton travel lift Complete boat service and repair	Marina: (831) 373-7857 Boatworks: (831) 375-6921	N
<b>Monterey Harbor Entrance</b>	3-370		Dive Charter Boats	Cypress Charters 1344 Saratoga Ave. San Jose, CA 95129 (408) 244-4433  Sun Tan Charters 858 Incino Drive Aptos, CA 95003 (831) 688-5226  Marin Skin Diving 3765 Redwood Highway San Rafael, CA 94903 (415) 479-4332  Aquarius Dive Shop (831) 375-1933 Fax: (831) 375-6605	N
<b>Monterey Harbor Entrance</b>	3-370	E	Monterey Municipal Wharf II  Commercial wharf; fish receiving 3-ton hoist, small craft refueling dock; Dive charter loading Recreational fishing	Harbor Office: Gen. Office: (831) 646-3950 Fax: (831) 646-5674 Nights: (831) 594-7760	N

### Central Coast Geographic Response Area 3, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Monterey Harbor Entrance</b>	3-370	D	Monterey Abalone Company Aliotti Fish Company Golden Mountain Trading Company  Monterey Fish Company Royal Seafood  Pacific Abalone Farms (Mariculture) 1312 Lincoln Avenue Pacific Grove, CA 93950	(831) 646-0350  (831) 375-2881  (831) 646-0670 (831) 372-6867 Fax  (831) 375-3511  (831) 372-5807  (831) 649-5165 <u>Harbor Office:</u> Gen. Office: (831) 646-3950 Fax: (831) 646-5674 Nights: (831) 594-7760	N
<b>Monterey Harbor Entrance</b>	3-370		Monterey Municipal Wharf I  Significant tourist destination; boat hoist	<u>Harbor Office:</u> Gen. Office: (831) 646-3950 Fax: (831) 646-5674 Nights: (831) 594-7760	N
<b>Monterey Harbor Entrance</b>	3-370	E	Monterey Harbor / Municipal Marina  150 commercial and recreational outer harbor boat moorings; 413 berths; launch ramps; pump outs, chandleries, restrooms, parking; anchorage south and southeast of the harbor breakwater; access to Del Monte Beach.	City of Monterey (831)646-3935  <u>Harbor Office:</u> Gen. Office: (831) 646-3950 Fax: (831) 646-5674 Nights: (831) 594-7760	N
<b>Coast Guard Jetty (Monterey Bay)</b>	3-375		Monterey Coast Guard Pier/Breakwater  Major SCUBA diving area	USCG Station Monterey 24 hour (831) 647-7300	Y
<b>Coast Guard Jetty (Monterey Bay)</b>	3-375	E	San Carlos Beach  Major SCUBA diving area	USCG Station Monterey 24 hour (831) 647-7300	N

#### 9873.21 Other Resources and Species of Concern

Please see section 9871.21 for a discussion of this topic.

#### 9873.22 Essential Fish Habitat

Please see section 9801.22 for a discussion of this topic.

#### 9873.3 Operational Divisions

Please see Section 9871.3 for maps that delineate Operational Divisions for this ACP.

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## **9874 GRA 4 Asilomar State Beach to Point Lobos**

### **9874.1 Sensitive Sites**

GRA 4 Map .....	3
Site 3-410 (A) Asilomar State Beach .....	5
Site 3-420 (A) Spanish Bay and Moss Beach .....	8
Site 3-435 (A) Bird Rock and Seal Rock .....	11
Site 3-440 (A) Fan Shell Beach .....	14
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### **9874.2 Cultural, Historical, Archeological & Economic Resources.....1**

9874.21 Other Resources and Species of Concern

9874.22 Essential Fish Habitat

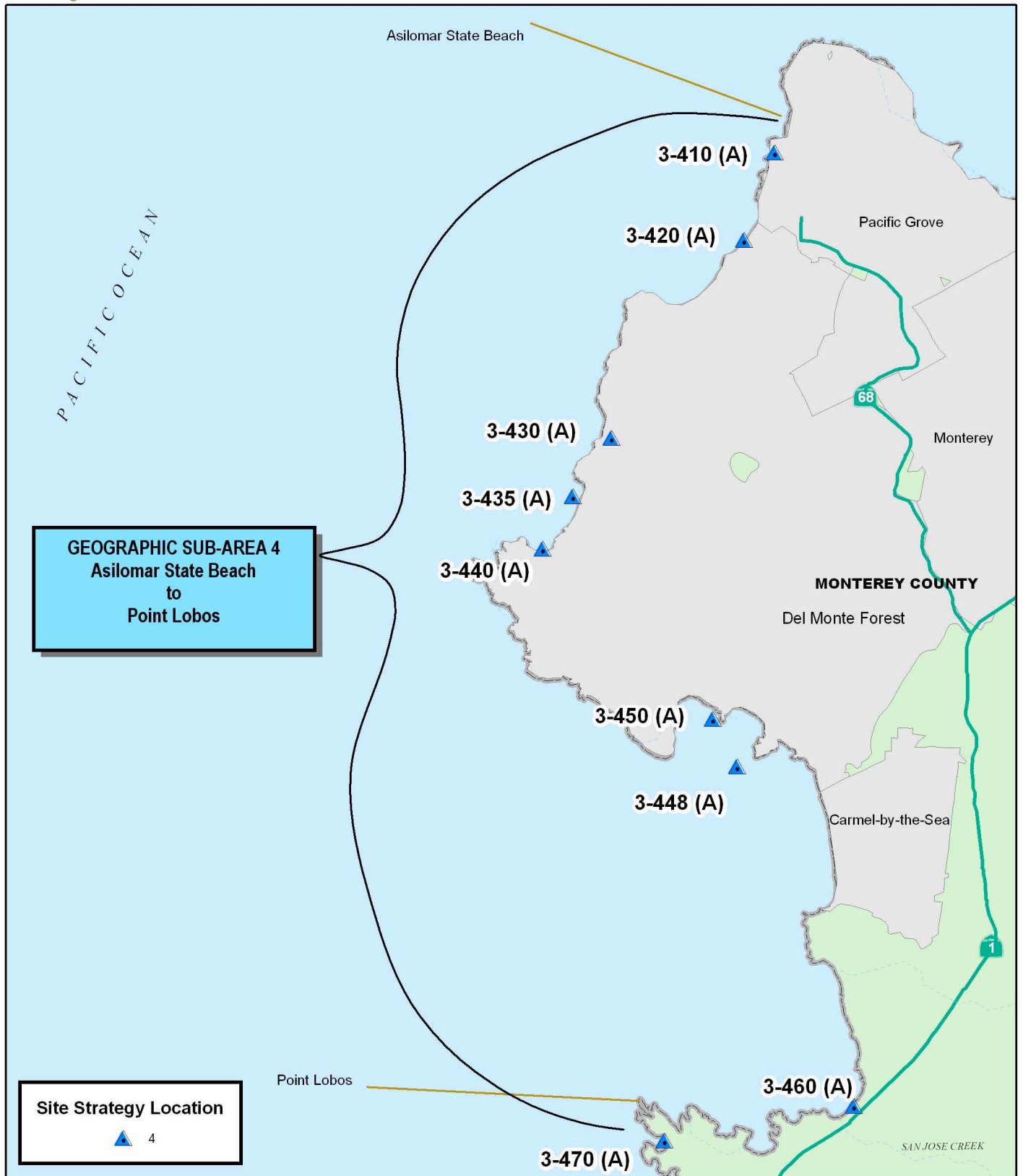
### **9874.3 Shoreline Operational Divisions.....1**



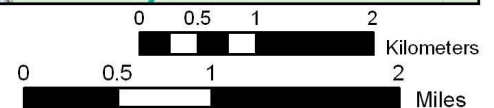
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# Central Coast Geographic Sub-Area 4 and Site Strategy Locations



Scale 1:60 000



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County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1113  
NOAA Chart:

Latitude N  
36° 37.4'  
Longitude W  
121° 56.8'

Last Page Update :
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**SITE DESCRIPTION:**

Rocky shoreline with extensive tide pools with sandy (pocket) beaches and dunes, fronted by wave cut platform. Sand is fine to medium grained. The shoreline consists of granodiorite substrate. The State Conference Grounds offer no emergency vehicle parking

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

Various shore and sea birds

Southern sea otters, sea lions, harbor seals. Black legless lizard (*Anniella pulchra nigra*) [endangered]

Menzie's wallflower (*Erysimum menziesii*); sand Gilia (*Gilia tenuiflora arenaria*); Tidestrom's lupine (*Lupinus tidestromii* var. *tidestromii*); beach layia (*Layia carnosa*); Monterey spineflower (*Chorizanthe pungens* var. *pungens*); sandmat manzanita (*Arctostaphylos pumila*).

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Indian midden sites occur on shoreline bluff trails, numbers: 11, 16, 19, 25.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 200402183, 1071, 1081. High recreational use.

### 3-410 -A Site Strategy - Asilomar State Beach

County and Thomas Guide Location

NOAA CHART

1113 Monterey

### 3-410 -A

Latitude N Longitude W

36° 37.4' 121° 56.8'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-410.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

No Site Strategy for this site

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-410.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Traveling south on Hwy.1, continue south past Monterey toward Carmel. Exit Hwy.1 on to Hwy 68 West, Pacific Grove/Pebble Beach. Follow signs to Pacific Grove and Asilomar. At the junction of Highway 68, Sunset Drive, and Forest Avenue, turn left onto Sunset. Follow this road west to parking areas on shore side of road (Sunset Drive changes to Asilomar Drive at the beach). Several established, numbered foot trails allow access to the shoreline. Rangers will direct emergency vehicles to the shoreline. Note: Trail #2 allows emergency traffic on to the beach. Ranger phone number is (831)-372-4076. There is no emergency vehicle parking east of Sunset Drive.

Rocky shoreline with extensive tide pools with sandy (pocket) beaches and dunes, fronted by wave cut platform. Sand is fine to medium grained. The shoreline consists of granodiorite substrate. The State Conference Grounds offer no emergency vehicle parking

**LAND ACCESS:** Large truck on streets; 4WD on beach

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

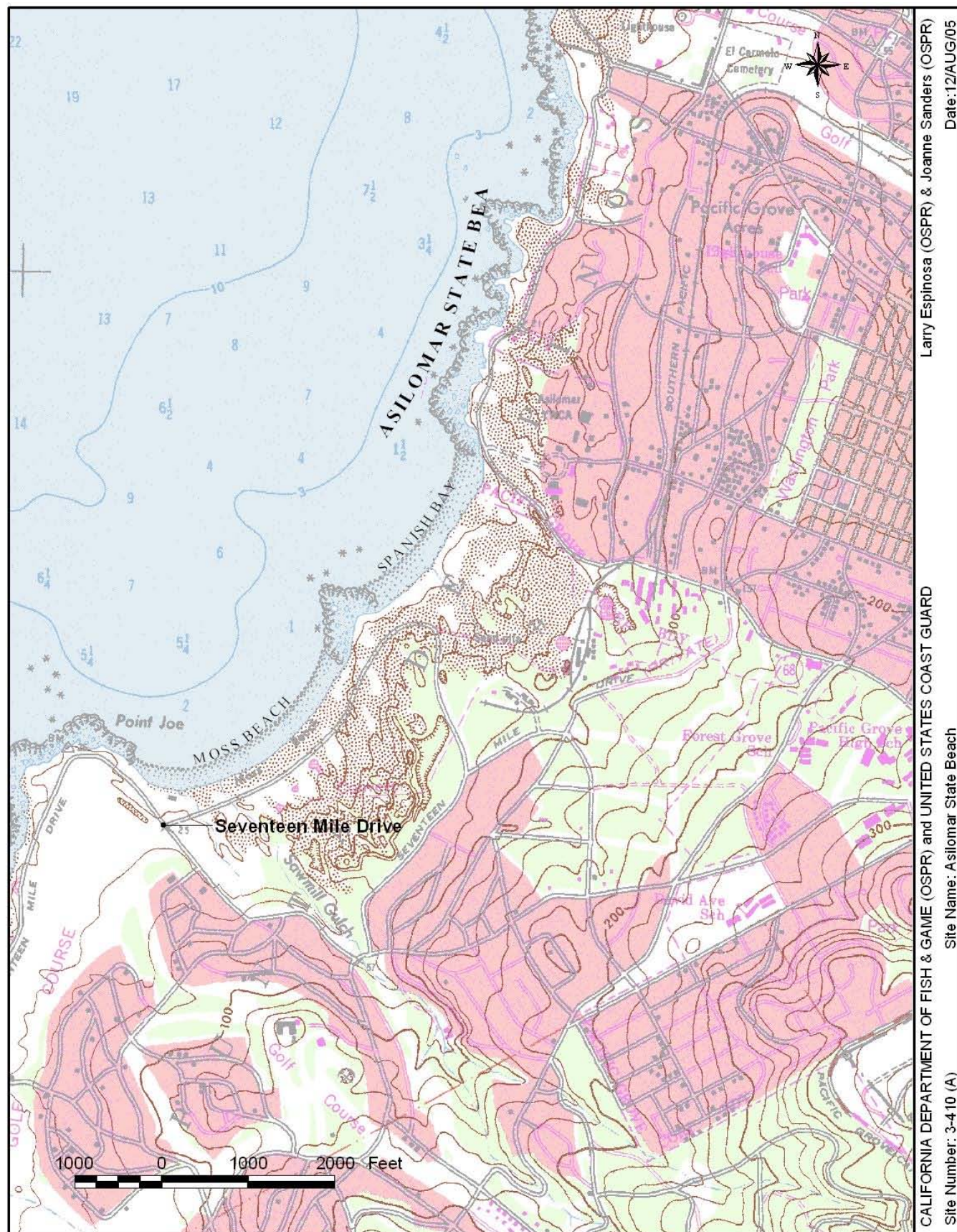
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excellior Fence  
 tba/voo

CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD

Site Name: Asilomar State Beach

Site Number: 3-410 (A)

Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)

Date: 12/AUG/05

### 3-420 -A Site Summary- Spanish Bay and Moss Beach

3-420 -A

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1113,1133  
NOAA Chart:

Latitude N  
36° 37'

Longitude W  
121° 57'

Last Page Update :

#### SITE DESCRIPTION:

Spanish Bay and Moss Beach. Fine to medium grain sandy beaches.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Black legless lizard (candidate species).

Jones layia (candidate plant species); Clover lupine (endangered); Monterey gilia (endangered)

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

<http://www.californiacoastline.org> Image #s 200402183, 200402186, 13769, 1072, 1082, 1083, 1085, 1086, 1090. Privately owned waterfront resort, golf courses. Recreational area. Moss Beach is a surfing area.

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

### 3-420 -A Site Strategy - Spanish Bay and Moss Beach

County and Thomas Guide Location

1113,1133 Monterey

NOAA CHART

3-420 -A

Latitude N Longitude W

36° 37' 121° 57'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

The black legless lizard (candidate species) uses the dune habitat. Jones layia (candidate plant species) can be found in the dunes/chaparral communities. Clover lupine (endangered) can be found near the ocean as well as in the dunes. The Monterey gilia (endangered) is another dune plant species.

#### HAZARDS and RESTRICTIONS:

Private ownership – Pebble Beach Company (831) 625-8444

#### SITE STRATEGIES

**Strategy 3-420.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-420.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Traveling south on Hwy.1, continue south past Monterey toward Carmel. Exit Hwy.1 on to Hwy 68 West, Pacific Grove/Pebble Beach. Follow signs to Pacific Grove and Asilomar. At the junction of Highway 68, Sunset Drive, and Forest Avenue, turn left onto Sunset. At intersection of Sunset and 17-Mile Drive, turn left to enter 17-Mile Drive gate of Pebble Beach. 17-Mile Drive hugs the coast and taking it will take you to most of the sensitive sites. Spanish Bay runs between Asilomar and Point Joe, with Moss Beach also between those two points.

**LAND ACCESS:** Large truck, if permitted, on streets; 4WD on beach

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

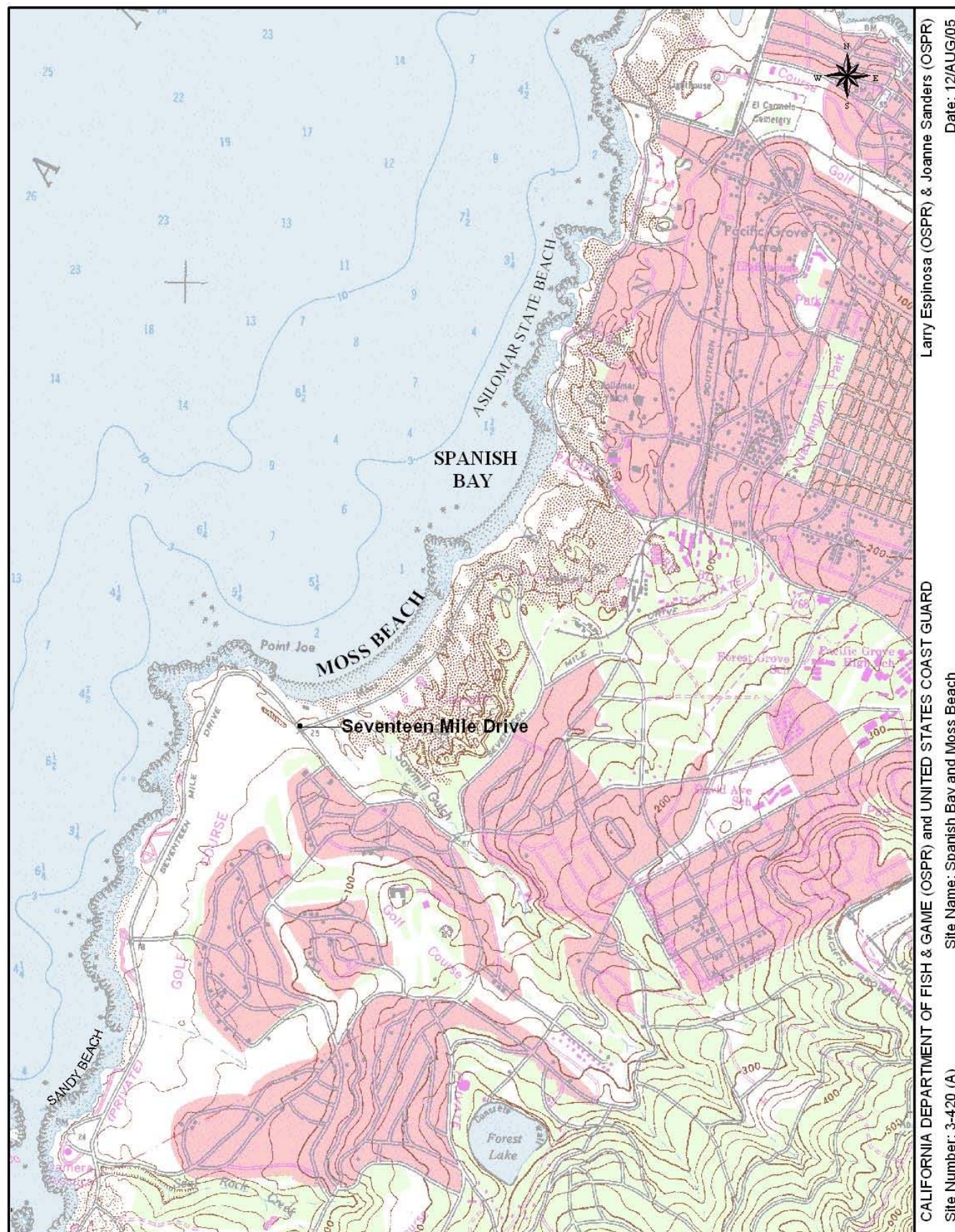
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**








CALIFORNIA DEPARTMENT OF FISH &amp; GAME (OSPR) and UNITED STATES COAST GUARD


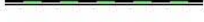

Larry Espinosa (OSPR) &amp; Joanne Sanders (OSPR)


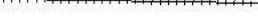

Site Name: Spanish Bay and Moss Beach

Site Number: 3-420 (A)

Date: 12/AUG/05

 Harbor Boom  
 Swamp Boom  
 sss / sfs

 Sorbent Boom  
 Other Boom  
 tsa / sps

 Dike or Berm  
 Excellior Fence  
 tba/voo

### 3-435 -A Site Summary- Bird Rock and Seal Rock

3-435 -A

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1133  
NOAA Chart:

Latitude N  
36° 35.5'  
Longitude W  
121° 58.2'

Last Page Update :
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#### SITE DESCRIPTION:

Bird Rock and Seal Rock are in between Point Joe and Cypress Point. Private Ownership - Pebble Beach Company (831) 625-8444.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Brown pelicans and cormorants

California sea lions, harbor seals and Steller sea lions

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s Bird Rock: 1116 Fan Shell Beach: 1119 (no good image of Seal Ro



### 3-435 -A Site Strategy - Bird Rock and Seal Rock

County and Thomas Guide Location

NOAA CHART

### 3-435 -A

Latitude N

Longitude W

1133 Monterey

36° 35.5' 121° 58.2'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-435.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-435.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Traveling south on Hwy.1, continue south past Monterey toward Carmel. Exit Hwy.1 on to Hwy 68 West, Pacific Grove/Pebble Beach. Follow signs to Pacific Grove and Asilomar. At the junction of Highway 68, Sunset Drive, and Forest Avenue, turn left onto Sunset. At intersection of Sunset and 17-Mile Drive, turn left to enter 17-Mile Drive gate of Pebble Beach. 17-Mile Drive hugs the coast and taking it will take you to most of the sensitive sites. Follow 17-mile Drive around the coast to the Bird Rock and Seal Rock site (Bird Rock Road is a short loop off 17-Mile Drive). Closest cross streets to Seal Rock are Silver Trail or Spyglass Hill Road. Contact Pebble Beach Company, if directions are needed to get to other entrance gates for 17-mile Drive.

**LAND ACCESS:**

**WATER LOGISTICS:**

Limitations: depth, obstruction

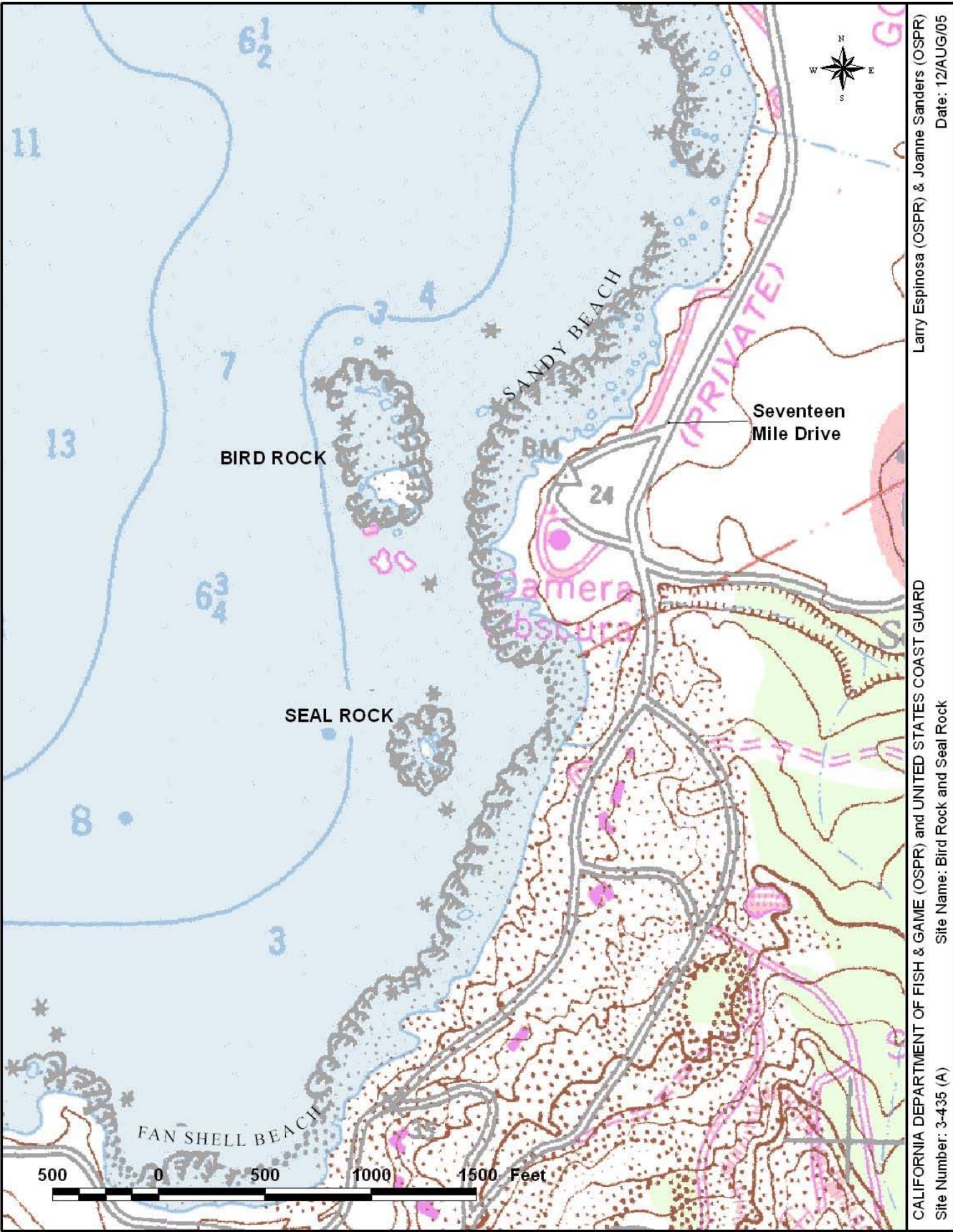
Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Bird Rock and Seal Rock  
Site Number: 3-435 (A)  
Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

- |             |              |                 |
|-------------|--------------|-----------------|
| Harbor Boom | Sorbent Boom | Dike or Berm    |
| Swamp Boom  | Other Boom   | Excellior Fence |
| sss / sfs   | tsa / sps    | tba/voo         |

### 3-440 -A/B Site Summary- Fan Shell Beach

3-440 -A/B

County: **Monterey**

USGS Quad: **Monterey**

Thomas Guide Location

1133

NOAA Chart:

Latitude N

36° 35.4'

Longitude W

W 121° 58.2'

Last Page Update :

#### SITE DESCRIPTION:

This is a sandy beach fronted by a wave-cut platform.

#### SEASONAL and SPECIAL RESOURCE CONCERN

This is an A site during spring and summer; otherwise it has a B priority.

#### RESOURCES OF PRIMARY CONCERN

Harbor seal pups; black legless lizard (candidate species)

Menzies wallflower

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1120 (as Fanshell Beach). Adjoining land is privately owned. Recr

### 3-440 -A/B Site Strategy - Fan Shell Beach

County and Thomas Guide Location

1133 Monterey

NOAA CHART

3-440 -A/B

Latitude N Longitude W

36° 35.4' W 121° 58.2

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Harbor seal pup beach. Also, the black legless lizard (candidate species), and the endangered plant species Menzies wallflower can be found. Clover lupine (endangered) can be found near the ocean as well as in stabilized dunes.

#### HAZARDS and RESTRICTIONS:

Private Ownership - Pebble Beach Company (831) 625-8444

#### SITE STRATEGIES

Strategy 3-440.1 **Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-440.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Traveling south on Hwy.1, continue south past Monterey toward Carmel. Exit Hwy.1 on to Hwy 68 West, Pacific Grove/Pebble Beach. Follow signs to Pacific Grove and Asilomar. At the junction of Highway 68, Sunset Drive, and Forest Avenue, turn left onto Sunset. At intersection of Sunset and 17-Mile Drive, turn left to enter 17-Mile Drive gate of Pebble Beach. 17-Mile Drive hugs the coast and taking it will take you to most of the sensitive sites. Cross streets along Fan Shell Beach are The Dunes, Silver Trail, Spyglass Hill and Signal Hill Road. This is a sandy beach fronted by a wave-cut platform.

**LAND ACCESS:** Large truck on streets, if permitted. 4WD on beach

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

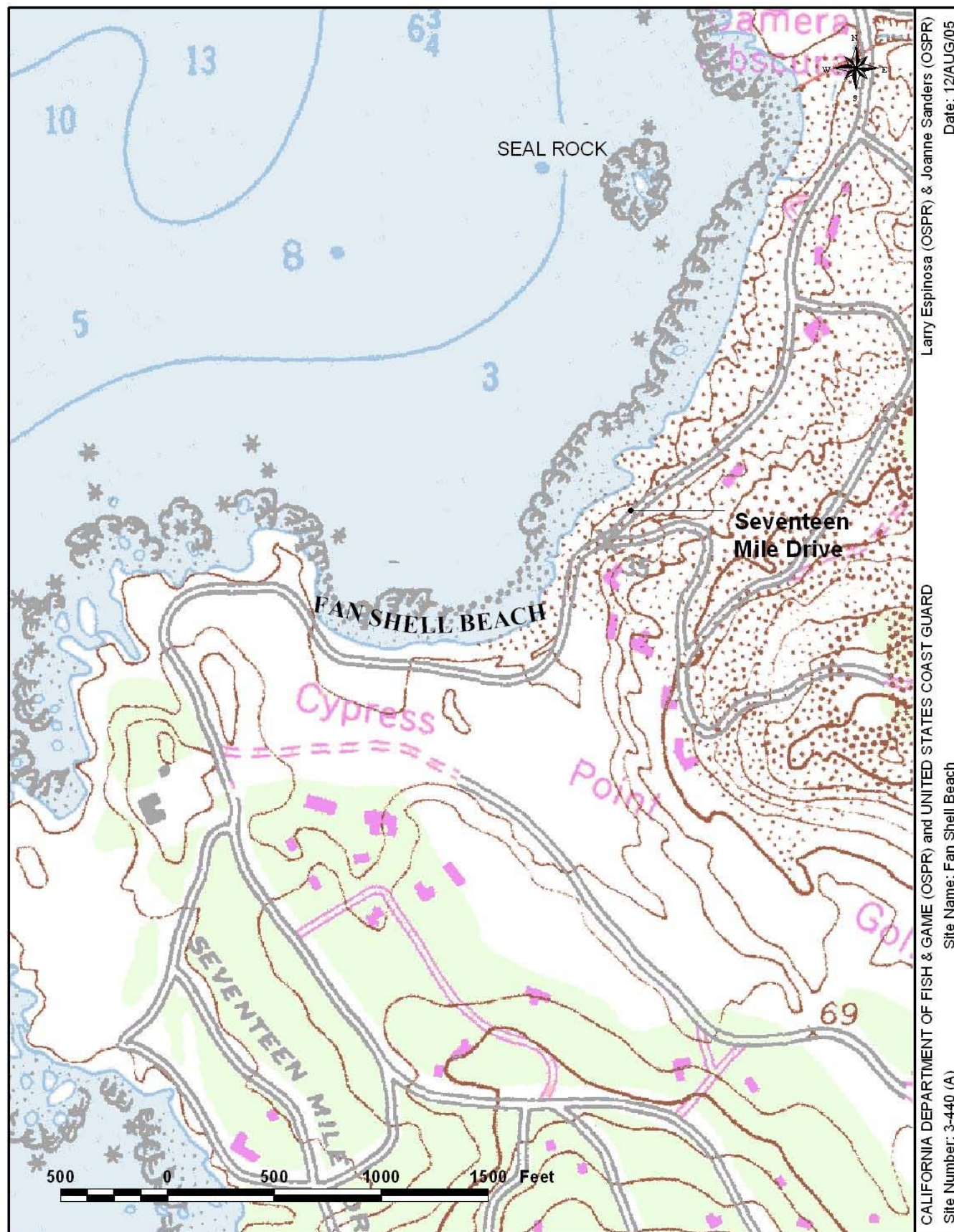
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excelsior Fence  
 tba/voo



# 3-448 -A     Site Summary- Offshore Pescadero Rocks

3-448 -A

County:       **Monterey**  
USGS Quad:   **Monterey**  
Thomas Guide Location  
1133, 1153  
NOAA Chart:

Latitude N     Longitude W  
37° 14.7'     122° 25.5'

Last Page Update :
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## SITE DESCRIPTION:

Offshore Pescadero Rocks, and Arrowhead Point, a wave-cut platform.

## SEASONAL and SPECIAL RESOURCE CONCERN

Year round

## RESOURCES OF PRIMARY CONCERN

Harbor seal

## CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 6272 (Pescadero Rock), 1174 (Arrowhead Point). Private ownershi

### 3-448 -A Site Strategy - Offshore Pescadero Rocks

County and Thomas Guide Location

NOAA CHART

1133, 1153 Monterey

### 3-448 -A

Latitude N

Longitude W

37° 14.7' 122° 25.5'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Large numbers of harbor seal haulouts.

#### HAZARDS and RESTRICTIONS:

TRUSTEE AGENCY/MANAGER/LOCAL EXPERTS:

Private Ownership - Pebble Beach Company (831) 625-8444

#### SITE STRATEGIES

**Strategy 3-448.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-448.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 south past Monterey and toward Carmel, and take the Highway 68 west exit. One (of several) 17-Mile Drive entrance gates is just across the exit. Proceed down 17-Mile Drive approximately 3 ½ miles to The Lodge at Pebble Beach. Pescadero Point and Arrowhead Point are both within Carmel Bay and bracket The Pebble Beach Golf Course. Pescadero Point is at the upcoast end, Arrowhead at the downcoast end. Offshore Pescadero Rocks, and Arrowhead Point, a wave-cut platform.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

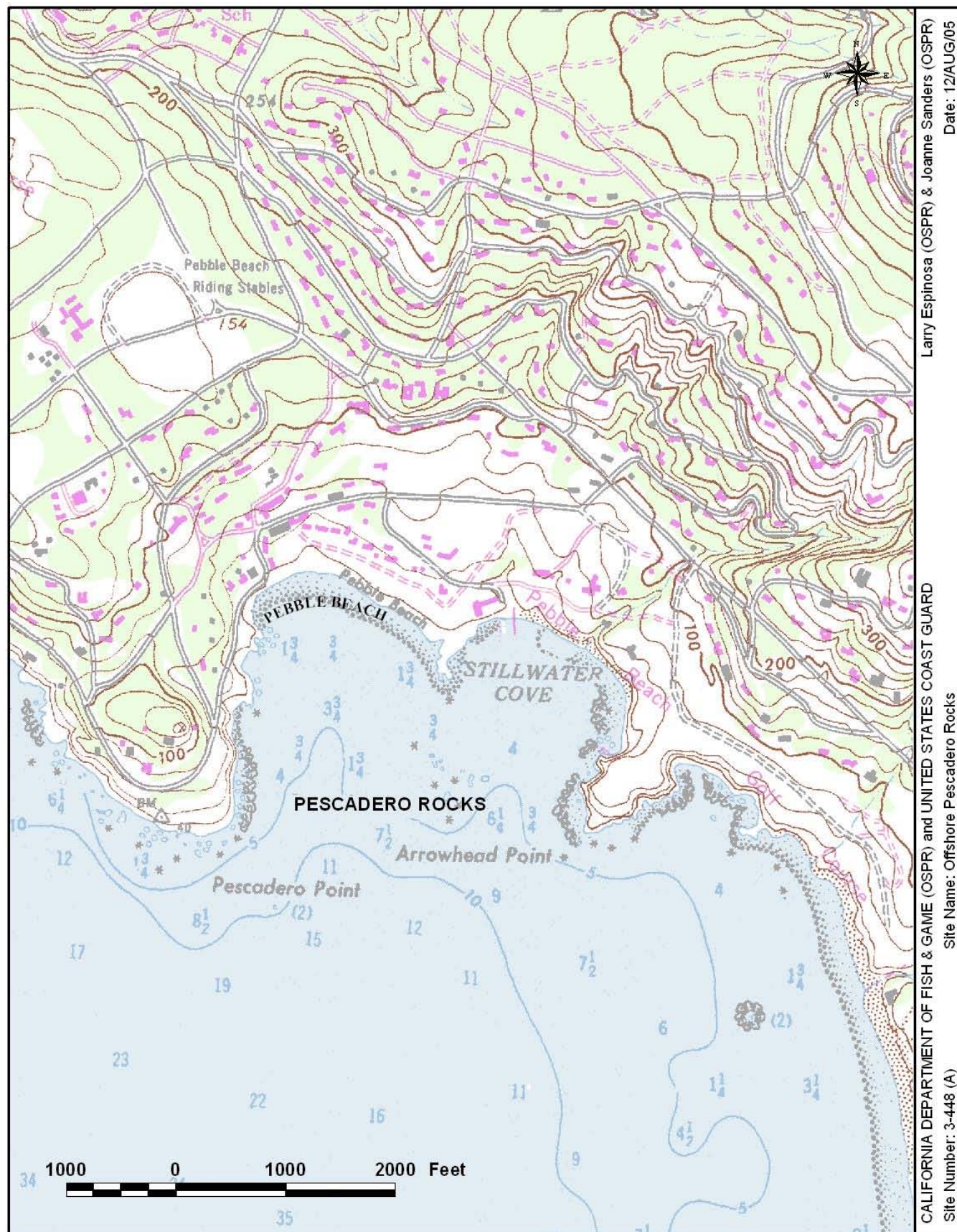
Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Offshore Pescadero Rocks  
Site Number: 3-448 (A)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

### 3-450 -A Site Summary- Pebble Beach

3-450 -A

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1133  
NOAA Chart:

Latitude N  
36° 33.7  
Longitude W  
121° 56.8'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

This beach is fronted by a wave-cut platform.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Clover Lupine (endangered, NDDDB)

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 200402262 (but over 50 images available for general Pebble Beach)

### 3-450 -A Site Strategy - Pebble Beach

County and Thomas Guide Location

1133 Monterey

NOAA CHART

### 3-450 -A

Latitude N Longitude W

36° 33.7 121° 56.8'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Clover Lupine (endangered, NDDDB) can grow near the ocean as well as on the stabilized dunes.

#### HAZARDS and RESTRICTIONS:

Private ownership - Pebble Beach Company, (831) 625-8444; Pebble Beach Resource Management, (831) 625-8402

#### SITE STRATEGIES

**Strategy 3-450.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-450.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Take Highway 1 south past Monterey and toward Carmel, and take the Highway 68 west exit. One (of several) 17-Mile Drive entrance gates is just across the exit. Proceed down 17-Mile Drive approximately 3 ½ miles to The Lodge at Pebble Beach. The sensitive site is near the 18th hole golf tee just upcoast from the Lodge. A short access road from the Lodge to Stillwater Cove can be used for launching a small boat. This beach is fronted by a wave-cut platform.

**LAND ACCESS:** Large truck on streets, if permitted. Foot access only to beach.

##### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:










##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:





- |   |             |   |              |  |                 |
|---|-------------|---|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |   | tba/voo         |

County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1153  
NOAA Chart:

Latitude N  
36° 31.7'  
Longitude W  
121° 55.9'

Last Page Update :
--------------------

**SITE DESCRIPTION:**

This site includes Carmel River mouth, which includes a lagoon, wetland and riparian habitat area, and San Jose Creek, a seasonal stream that supports a small marsh and lagoon system at its mouth. Carmel wetland and riparian habitat area are currently undergoing extensive native plant re-vegetation. This area will be fragile and sensitive to disturbance until approximately the year 2002. A portion has been designated a State Park Natural Preserve. The San Jose Creek mouth is 1 mile south of the Carmel River at San Jose Creek Beach, also known locally as Monastery Beach. Highway 1 is adjacent to the beach and parking is allowed on the road shoulder next to the beach.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

Shorebirds and seabirds, including the threatened brown pelican,

Sea otters

Steelhead trout

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

South of San Jose Creek, the coastal terrace has been designated a State Park Cultural Preserve due to its high archeological significance and sensitivity.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 200402317, 13957, 13958, 13960, 13962, 1210, 1211, 1212, 1213.

### 3-460 -A Site Strategy - Carmel River/San Jose Creek Inlet

County and Thomas Guide Location

1153 Monterey

NOAA CHART

### 3-460 -A

Latitude N

Longitude W

36° 31.7' 121° 55.9'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Shorebirds and seabirds, including the threatened brown pelican, along with steelhead trout use both the Carmel River and San Jose Creek. The wetland and riparian areas of the lower Carmel River are one of the best known and most diverse birding areas in California. Sea otters are common in the offshore kelp beds. South of San Jose Creek, the coastal terrace has been designated a State Park Cultural Preserve due to its high archeological significance and sensitivity.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-460.1 Objective: Exclude oil with berming from reaching upstream marshes

ACP DATE

If needed, place berm across river mouths.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-460.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Directions to San Jose Creek Inlet and San Jose Creek Beach – Take Highway 1 south, past the signal light at Rio Rd., past Ribera Rd. to San Jose Creek Bridge (more like a big culvert). Parking is on the shore-side of the Highway shoulder. On the right is San Jose Creek Beach, locally known as Monastery Beach. At the down-coast end of the Beach (South end) is a rest room and a public telephone. The creek has an intermittent flow and may flow during the wet season. Another access to the Beach is behind the Bay School at the North end of the Beach. State Park personnel will show the access to those responding to an emergency.

Directions to Carmel River Mouth (Up-coast Side) – Take Highway 1 south. After passing the traffic signal to Carmel at Carpenter St, pass by the next signal light at Carmel Valley Rd, to the next signal light at Rio Rd. Turn Right off the Highway along Rio Rd. until Santa Lucia Ave. Turn left on Santa Lucia Ave. to Carmelo. Turn left on Carmelo and stay on that road until it enters the State Park near a parking area and a rest room. This location is in the vicinity of the Carmel River Mouth. Directions to Carmel River Mouth (Down-coast Side) – Take Highway 1 south. Pass the Rio Rd. signal. The next road on the right is Ribera Rd. Turn right off the highway and proceed along Ribera Rd. until there is an abrupt turn to the left. At this point, on the right is Calle la Cruz. A locked gate prevents entry in normal situations. During an emergency, the gate will be open. This road leads to the beach. At the bottom, a right turn leads to the down coast side of the River mouth. By turning left, an unimproved service road leads to San Jose Creek Beach. This site includes Carmel River mouth, which includes a lagoon, wetland and riparian habitat area, and San Jose Creek, a seasonal stream that supports a small marsh and lagoon system at its mouth.

**LAND ACCESS:** Large truck on streets. Limited 4WD on beach

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:

Emergency Helicopter Areas – A Helicopter Site is located at the South end of San Jose Creek Beach. It is shoreward of the restroom building. This site has been used several times and has the best location. Another site available for helicopters is across the Highway in what is known as the “Polo Field”. There are no facilities nearby.



CARMEL RIVER-  
Inlet Name INLET, CA.

Recorder(s) MCH / TMM

Date/Time 3 Nov. 1992, 0700

TideStage URL(<http://os26.cba.gov>); cov

Inlet Classification C

- ☒ North Arrow
- ☒ Scale
- ☒ High-Tide Line
- ☒ Low-Tide Line
- ☒ Substrate Type

XXXXXX  
Recommended  
Oil-Catchment Area

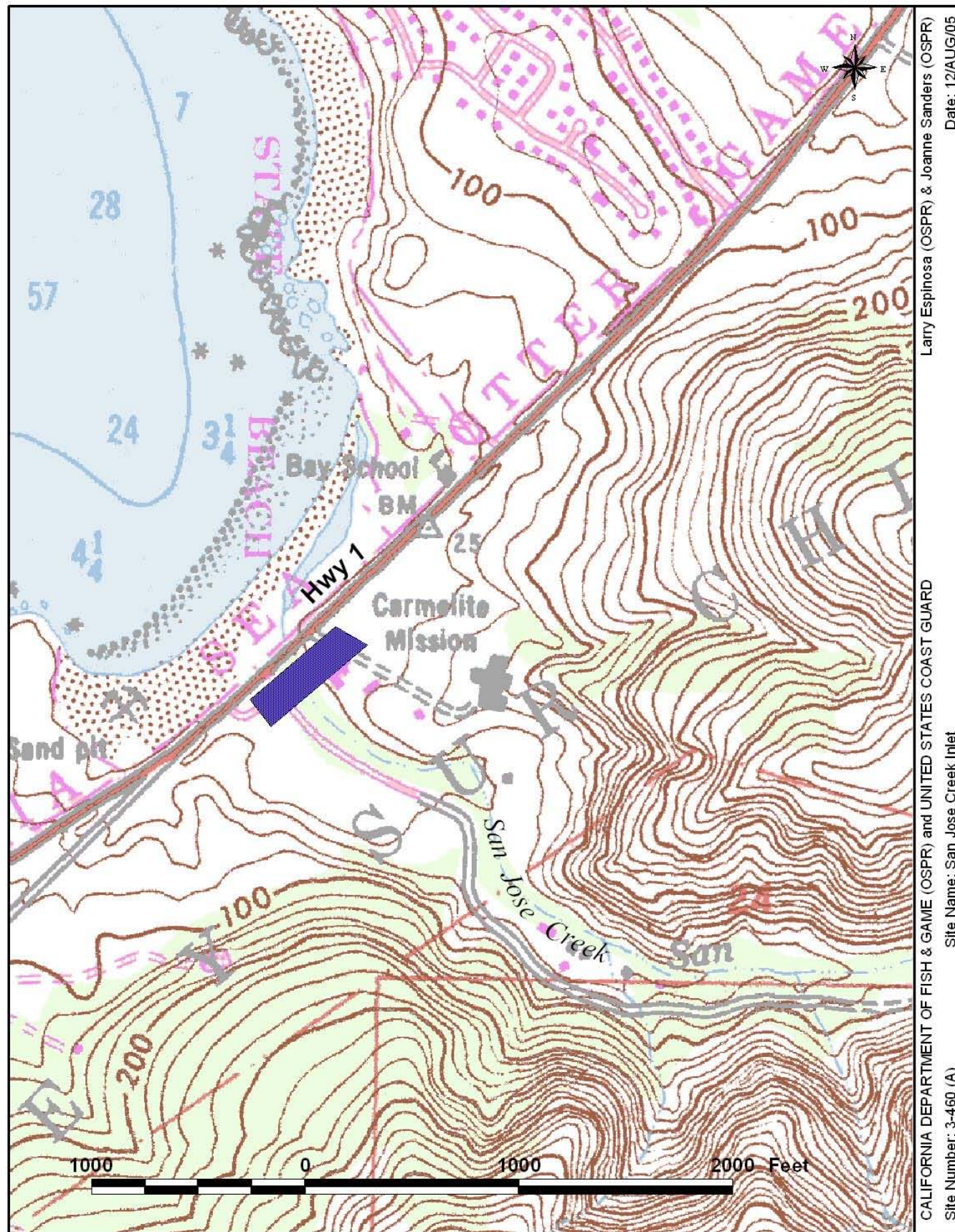
Salt-Water Marsh

Fresh-Water Marsh

High-Tide Overwash Zone

Last High-Tide  
Swash Line





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: San Jose Creek Inlet  
Site Number: 3-460 (A)

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>Harbor Boom</li> <li>Swamp Boom</li> <li>sss / sfs</li> </ul> | <ul style="list-style-type: none"> <li>Sorbent Boom</li> <li>Other Boom</li> <li>tss / sps</li> </ul> | <ul style="list-style-type: none"> <li>Dike or Berm</li> <li>Excellior Fence</li> <li>tba/voo</li> </ul> |
|--|---|--|



County: **Monterey**  
USGS Quad: **Monterey**

Thomas Guide Location  
1153,1173  
NOAA Chart:

Latitude N  
36° 31.7'  
Longitude W  
121° 57.4'

Last Page Update :
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**SITE DESCRIPTION:**

Point Lobos State Reserve is a world-renowned scenic area that contains a diversity of wild life. The shoreline is highly varied and is dominated by steep rocky headlands

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

Numerous seabirds including the endangered brown pelicans (nests on Bird Island), and cormorants; black swifts (DFG species of special concern, NDDDB),

California sea lions haulout year round.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

There are significant Indian midden sites on the Reserve. One such site exists above Whalers Cove.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 200402319, 200402322, 200402324-27, 200402330, 200402332-3

### 3-470 -A Site Strategy - Point Lobos

County and Thomas Guide Location

1153,1173 Monterey

NOAA CHART

### 3-470 -A

Latitude N

Longitude W

36° 31.7' 121° 57.4'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

There are numerous seabirds including endangered brown pelicans (nests on Bird Island), and cormorants. Black swifts (DFG species of special concern, NDDDB), can be found in the cliffs. There are significant Indian midden sites on the Reserve. One such site exists above Whalers Cove.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-470.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-470.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Traveling South on Hwy. 1, Point Lobos is 2 miles South of the intersection of Rio Rd. in Carmel and Hwy.1. At this point, the road leads directly to the manned Entrance Station. State Park. Rangers are housed in the vicinity of the Entrance Station. At night, there is a locked gate to prevent unauthorized entry. Access by boat is also feasible via Whalers Cove. There is a launching ramp and a large parking lot. A State Park Lifeguard is based on the site. Point Lobos State Reserve is a world-renowned scenic area that contains a diversity of wild life. The shoreline is highly varied and is dominated by steep rocky headlands

#### LAND ACCESS:

#### WATER LOGISTICS:

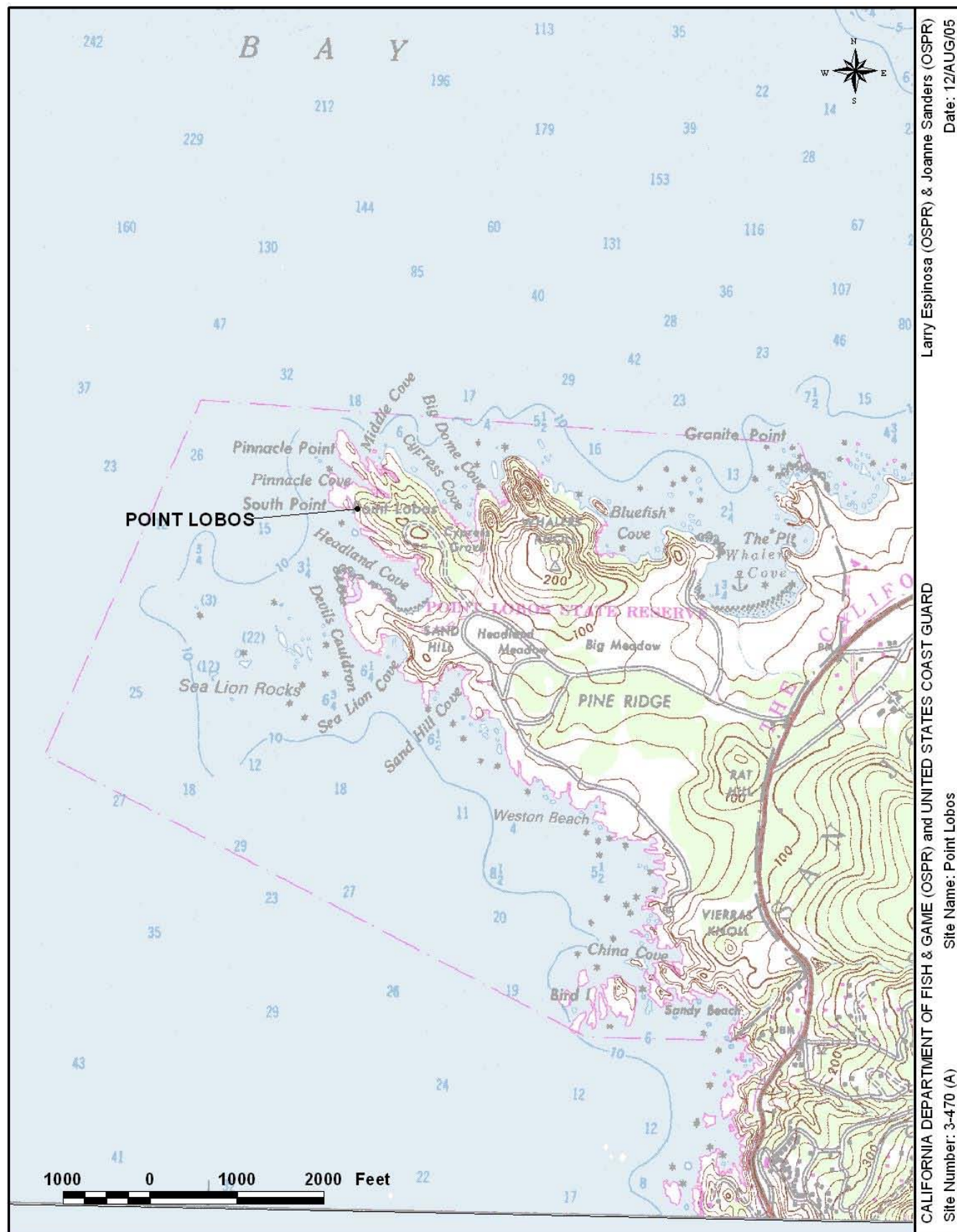
Limitations: depth, obstruction

Launching, Loading, Docking  
and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

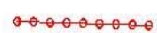
#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Point Lobos  
Site Number: 3-470 (A)



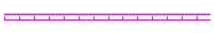
Harbor Boom



Swamp Boom



sss / sfs



Sorbent Boom



Other Boom



tsa / sps



Dike or Berm



Excellior Fence



tba/voo

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## 9874.2 Cultural, Historical, Archeological & Economic Resources

For general information about cultural, historical and archeological resources, and the **Programmatic Agreement on Protection of historic properties during emergency response under the national oil and hazardous substances pollution contingency plan**, please refer to section 9802.1. The table below lists the cultural, historical, archaeological and economic resources for this Geographic Response Area.

### Central Coast Geographic Response Area 4: Asilomar State Beach to Point Lobos

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Asilomar State Beach</b>  (Pacific Grove)	3-410	B/E	Asilomar State Beach  Recreational area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Asilomar State Beach</b> (Pacific Grove)	3-410	F	Asilomar Conference Center	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Spanish Bay &amp; Moss Beach</b>	3-420	E	Spanish Bay  Waterfront resort; golf courses Recreational area	Pebble Beach Company (831) 625-8444	N
<b>Spanish Bay &amp; Moss Beach</b>	3-420	E	Moss Beach  Surfing area	Pebble Beach Company (831) 625-8444	N
<b>Bird and Seal Rock</b>  <b>Fan Shell Beach</b>	3-435  3-440			Pebble Beach Company (831) 625-8444	N
<b>Offshore Pescadero Rocks</b>	3-448		Stillwater Cove Offshore Pescadero Rocks and Arrowhead Point  Small craft anchorages Major SCUBA and snorkeling area	Pebble Beach Company (831) 625-8444	N
<b>Pebble Beach</b>	3-450	E	17-Mile Drive  Recreational area; golf courses	Pebble Beach Company (831) 625-8444  Resource Management (831) 625-8402	N
<b>San Jose Creek Inlet</b>	3-460	E	Carmel Beach City Park  Recreational area	City of Carmel (831) 620-2000  CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Police Dept. (800) 281-7275	N
<b>San Jose Creek Inlet</b>	3-460	C/E	Carmel River State Beach Carmel River lagoon and wetlands San Jose Creek Inlet Monastery Beach  Recreational area Major SCUBA/snorkeling area	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N



### Central Coast Geographic Response Area 4, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
Point Lobos	3-470	A	Point Lobos State Reserve  Whalers Cove is major SCUBA diving area; Marine Reserve; Restricted use; Harbor of refuge; Area of Special Biological Significance	CA Dept. Parks and Rec. (831) 649-2810 (24-hour)	N

#### 9874.21 Other Resources and Species of Concern

[Please see section 9871.21 for a discussion of this topic.](#)

#### 9874.22 Essential Fish Habitat

[Please see section 9801.22 for a discussion of this topic.](#)

#### 9874.3 Operational Divisions

[Please see Section 9871.3 for maps that delineate Operational Divisions for this ACP.](#)

## **9875 GRA 5 Garrapata Creek to Gorda Beaches**

### **9875.1 Sensitive Sites**

GRA 5 Map .....	3
Site 3-500 (A) Garrapata Creek Inlet .....	5
Site 3-505 (A) Sea Bluffs and Rocky Creek .....	8
Site 3-507 (B) Castle Rock .....	11
Site 3-511 (B) Rocks Off Hurricane Point .....	14
Site 3-515 (A) Little Sur River Inlet and Beach .....	17
Site 3-520 (A) Point Sur Beach .....	21
Site 3-522 (C) Point Sur .....	24
Site 3-525 (A) Sandy Beach South of Point Sur .....	27
Site 3-530 (A) Big Sur River Inlet .....	30
Site 3-540 (A) Pfeiffer Beach .....	34
Site 3-550 (B) Partington Point and South .....	37
Site 3-560 (B) Dolan Rock Area .....	40
Site 3-570 (A) Limekiln State Park .....	43
Site 3-580 (A) Gorda Beaches .....	46

### **9875.2 Cultural, Historical, Archeological & Economic Resources.....1**

9875.21 Other Resources and Species of Concern

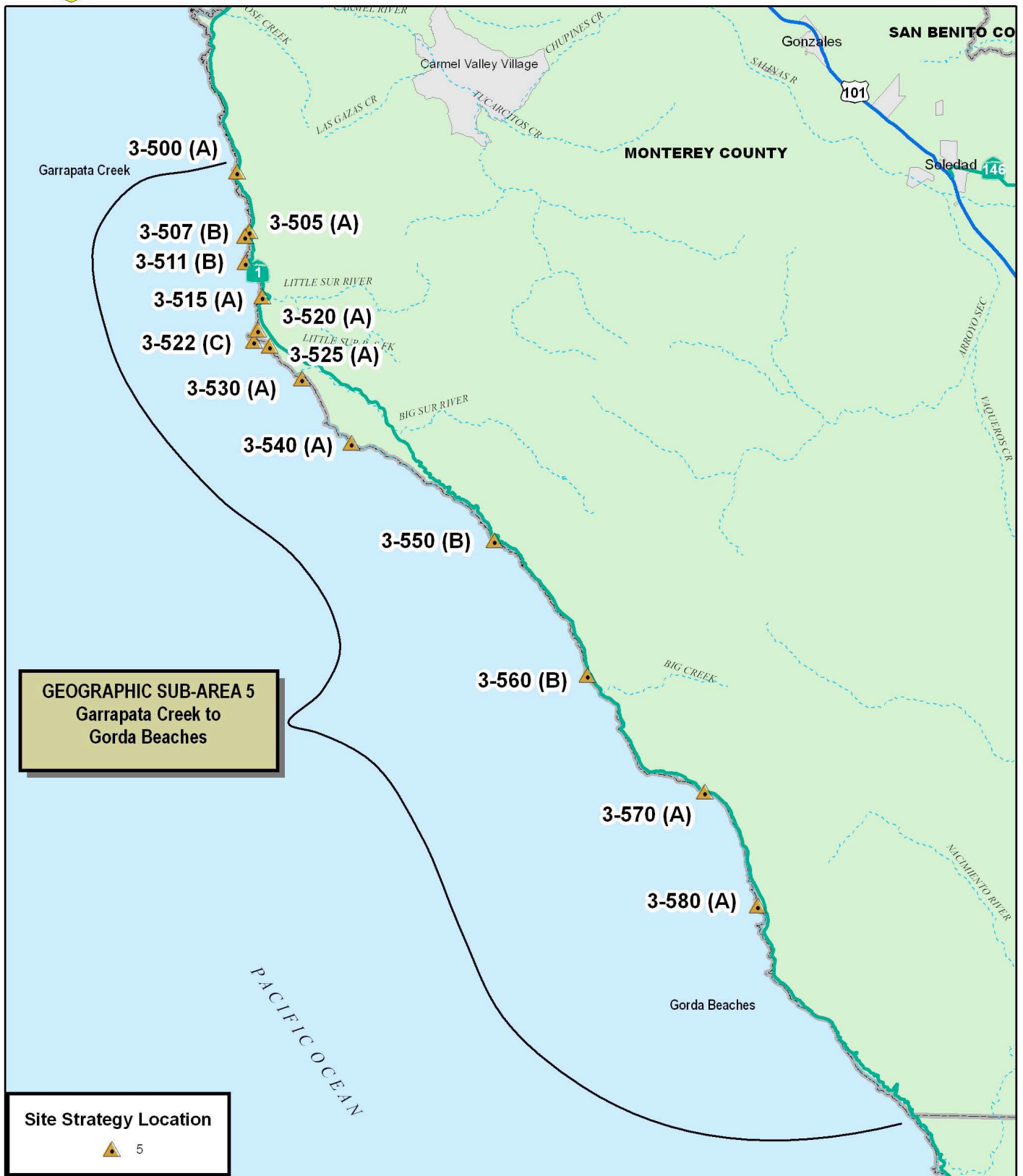
9875.22 Essential Fish Habitat

### **9875.3 Shoreline Operational Divisions.....1**

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# Central Coast Geographic Sub-Area 5 and Site Strategy Locations



Scale 1:375000

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County: **Monterey**  
USGS Quad: **Soberanes**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 25.3'  
Longitude W  
121° 55.5'

Last Page Update :
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**SITE DESCRIPTION:**

Coastal bluff west of Hwy. 1 between Otter Cove and Garrapata Creek. Includes Granite Creek, Soberanes Creek and Garrapata Creek. Site features four miles of mostly rocky coastline, except at the extreme south end where Garrapata Beach is located. Tide pools and mussel beds along the shoreline and the typical coastal bluff plant community. Although the Garrapata Creek Inlet does not belong to the state it contains a rich biological resource and should be mentioned here and in case of potential danger should be protected. There are shorebirds and seabirds, including the brown pelican (endangered). Sea otters are offshore. Steelhead trout spawn upstream. Also in this area is the Little Sur manzanita (candidate plant species, NDDB), a coastal bluff species. A small marsh is located behind a narrow cliff-sided creek mouth.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

shorebirds and seabirds, including the brown pelican (endangered).

Sea otters.

Steelhead trout

Little Sur manzanita (candidate plant species, NDDB)

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

Most of the bluffs at Garrapata contain archeological sites. An extremely large site is located on the East side of Highway 1 at Soberanes Canyon.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
------	--------------	--------------	-------

**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 1278, 1279, 1280, 1281

### 3-500 -A Site Strategy - Garrapata Creek Inlet

County and Thomas Guide Location

NOAA CHART

### 3-500 -A

Latitude N

Longitude W

#### B Monterey

36° 25.3' 121° 55.5'

CONCERNS and ADVICE to RESPONDERS:

Last Page Update :

HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
--------------------	----------------	---------------	--------------------	--------------	-------------------------------	--------------	-----------------	---------------------	-----------------------------------	-----------------	---------------

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Coastal bluff west of Hwy. 1 between Otter Cove and Garrapata Creek. Includes Granite Creek, Soberanes Creek and Garrapata Creek. Site features four miles of mostly rocky coastline, except at the extreme south end where Garrapata Beach is located.

**LAND ACCESS:** Foot access only

#### WATER LOGISTICS:

Limitations: depth, obstruction

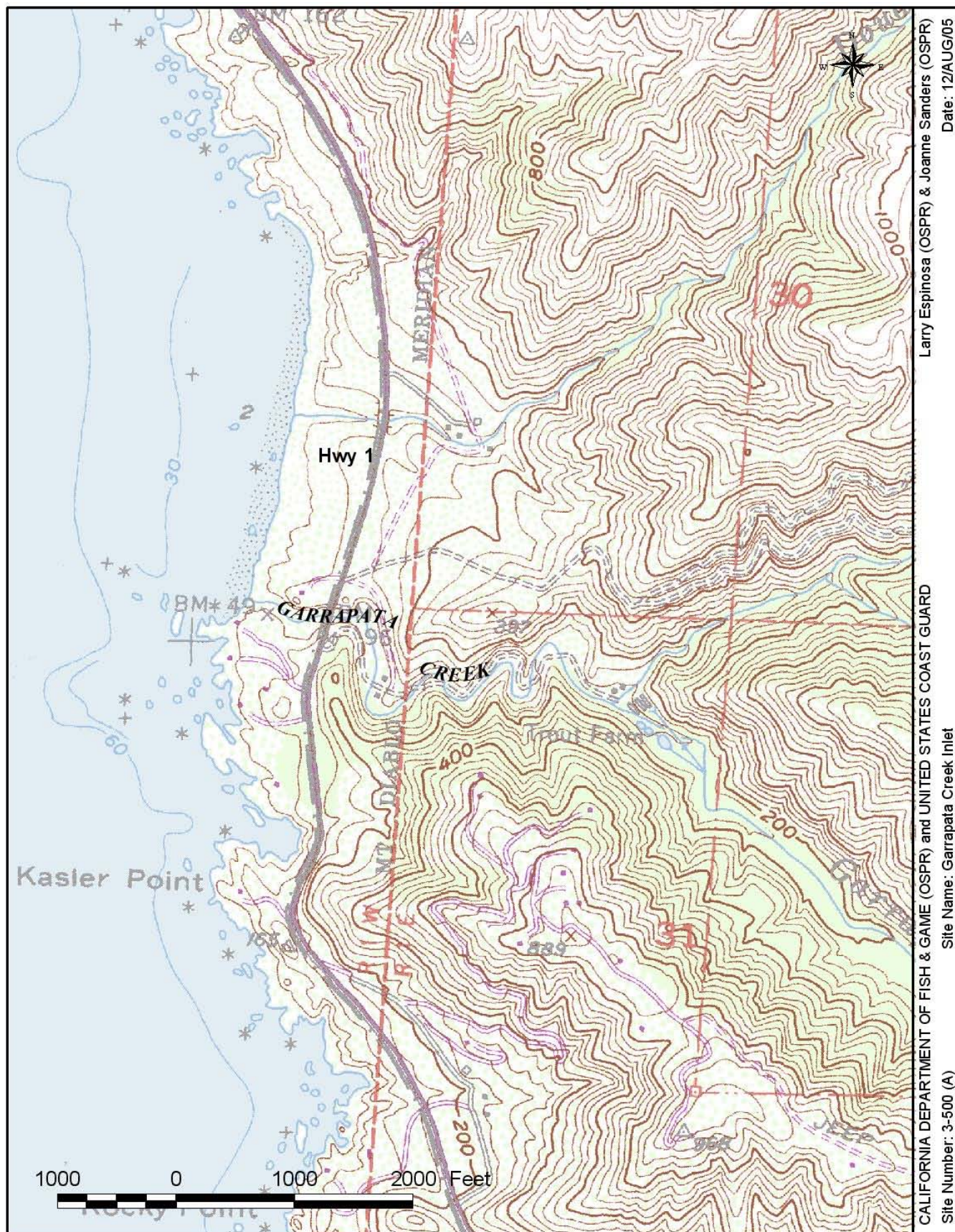
Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**



CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Name: Garrapata Creek Inlet  
 Site Number: 3-500 (A)  
 Lary Espinosa (OSPR) & Joanne Sanders (OSPR)  
 Date: 12/AUG/05



### 3-505 -A Site Summary- Sea Bluffs and Rocky Creek

3-505 -A

County: **Monterey**  
USGS Quad: **Soberanes**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 23.2'

Longitude W  
121° 54.9'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Sea bluffs and Rocky Creek.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Little Sur manzanita (candidate species, NDDb)

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1295, 1296

### 3-505 -A Site Strategy - Sea Bluffs and Rocky Creek

County and Thomas Guide Location

NOAA CHART

### 3-505 -A

Latitude N Longitude W

36° 23.2' 121° 54.9'

#### B Monterey

Last Page Update :

CONCERNS and ADVICE to RESPONDERS:

HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-505.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-505.1	0	0	0	0	0		0	0	0	0	

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Rocky Creek is about 11 miles south of Rio Road (in Carmel) on Highway 1. Garrapata Creek is north of Rocky Creek, Bixby Creek is the next creek south of Rocky Creek. The sea bluffs are on the east side of Highway 1.

**LAND ACCESS:** Foot access only

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

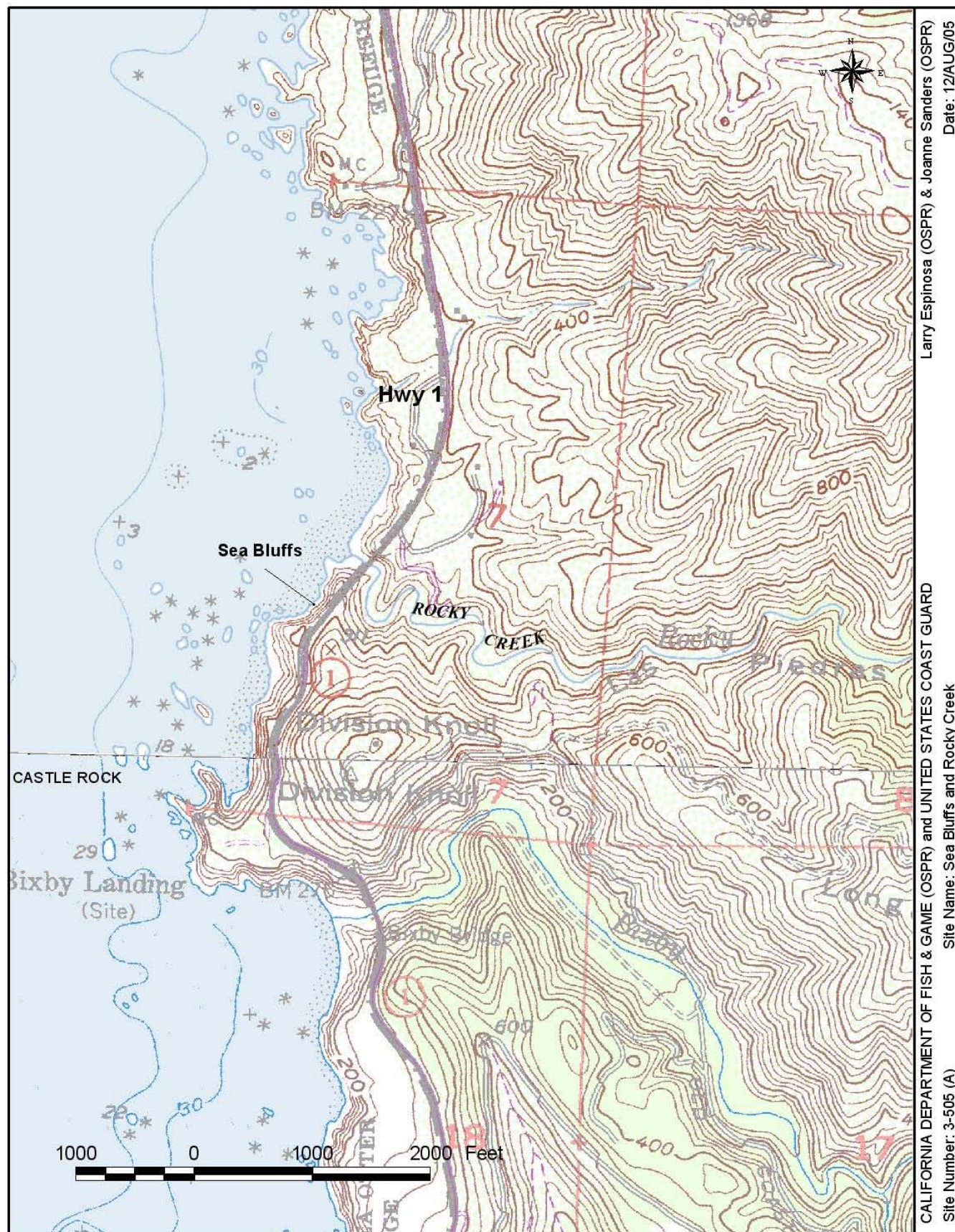
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Sea Bluffs and Rocky Creek  
Site Number: 3-505 (A)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

### 3-507 -B Site Summary- Castle Rock

3-507 -B

County: **Monterey**  
USGS Quad: **Soberanes or Point Sur**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 22.8'  
Longitude W  
121° 54.9'

Last Page Update :
--------------------

#### SITE DESCRIPTION:

Offshore rock with moderate- to high-energy ocean waves.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Brandt's cormorants, common murre, and pelagic cormorants: Large numbers of Brandt's cormorants, common murre, and pelagic cormorants roost and nest on this rock.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1299 (one of the two smaller rocks off the point, on right side of ima

# 3-507 -B Site Strategy - Castle Rock

County and Thomas Guide Location

NOAA CHART

# 3-507 -B

Latitude N

Longitude W

36° 22.8' 121° 54.9'

## B Monterey

Last Page Update :

### CONCERNS and ADVICE to RESPONDERS:

Large numbers of Brandt's cormorants, common murre, and pelagic cormorants roost and nest on this rock.

### HAZARDS and RESTRICTIONS:

### SITE STRATEGIES

Strategy 3-507.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-507.1	0	0	0	0	0	0	0	0	0		

### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Offshore rock with moderate- to high-energy ocean waves.

### LAND ACCESS:

### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

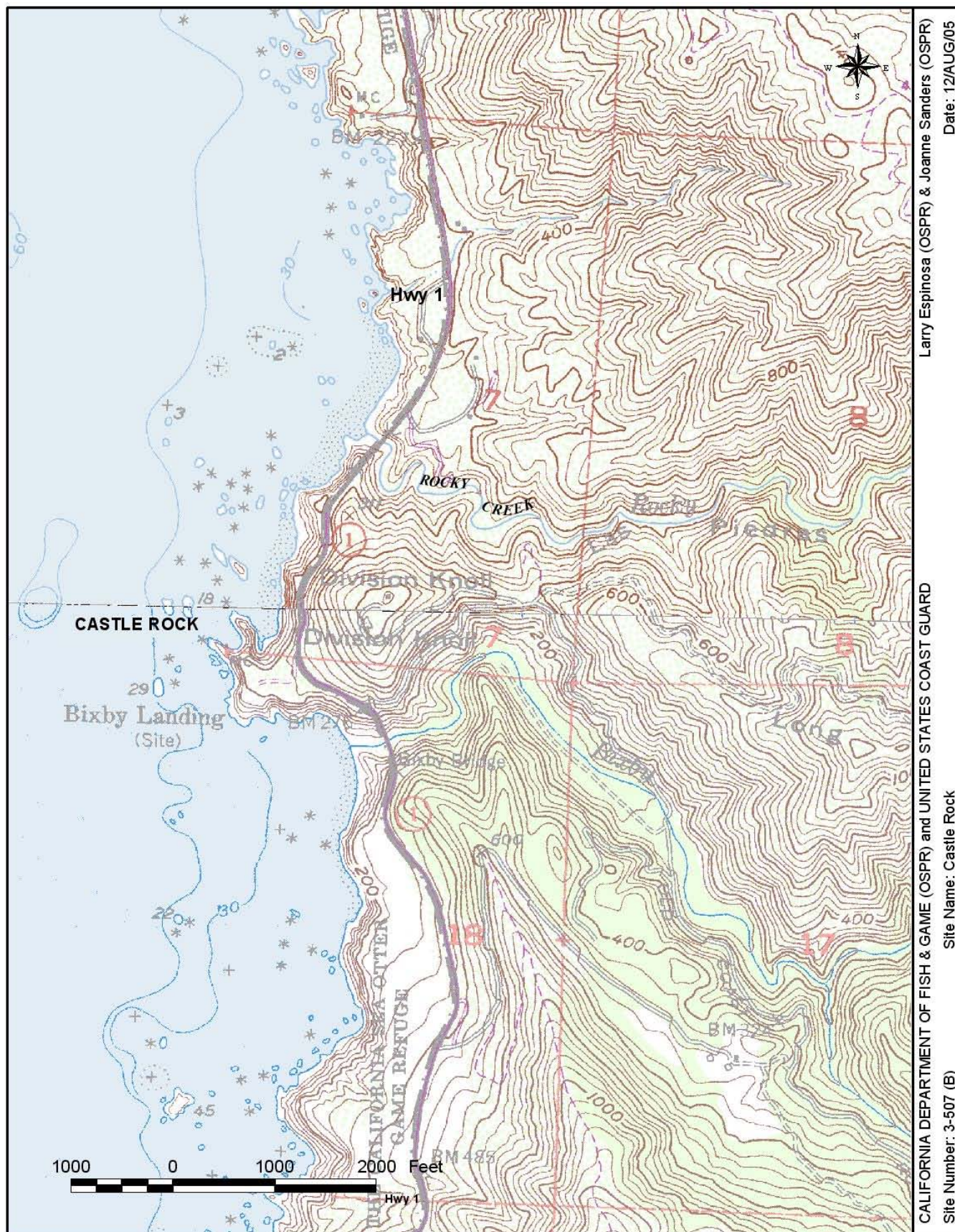
and Services Available:

### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

### COMMUNICATIONS PROBLEMS:

### ADDITIONAL OPERATIONAL COMMENTS:





Harbor Boom  
 Swamp Boom  
 sss / sfs

Sorbent Boom  
 Other Boom  
 tsa / sps

Dike or Berm  
 Excellior Fence  
 tba/voo

# 3-511 -B Site Summary- Rocks off Hurricane Point

3-511 -B

County:	Monterey	Thomas Guide Location	B	Latitude N	36° 21.9'	Longitude W	121° 54.9'
USGS Quad:	Point Sur	NOAA Chart:					

Last Page Update :

## SITE DESCRIPTION:

Offshore rocks with moderate to high-energy ocean waves.

## SEASONAL and SPECIAL RESOURCE CONCERN

Year round

## RESOURCES OF PRIMARY CONCERN

Brandt's cormorants, western gulls, common murre, pigeon guillemots, and tufted puffins (haven't been observed in the last few years)

## CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1316, 1308.



### 3-511 -B Site Strategy - Rocks off Hurricane Point

County and Thomas Guide Location

NOAA CHART

### 3-511 -B

Latitude N Longitude W

36° 21.9' 121° 54.9'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Brandt's cormorants, western gulls, common murre, pigeon guillemots, and tufted puffins (haven't been observed in the last few years) roost and nest on these offshore rocks. Tufted puffins enter colonies in May, lay eggs April-August. Eggs hatch 30 days after they are laid; birds leave colonies 60 days after hatching. Peak numbers are in January and February.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-511.1 **Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-511.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 south past Rio Road (in Carmel) about 15 miles. Hurricane Point is the high point on the road past Bixby Creek bridge. It has a broad turn-out on the ocean side and is nearly always marked by pronounced winds and sightseers. It provides a good, high vantage point but no beach access. Offshore rocks with moderate to high-energy ocean waves.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

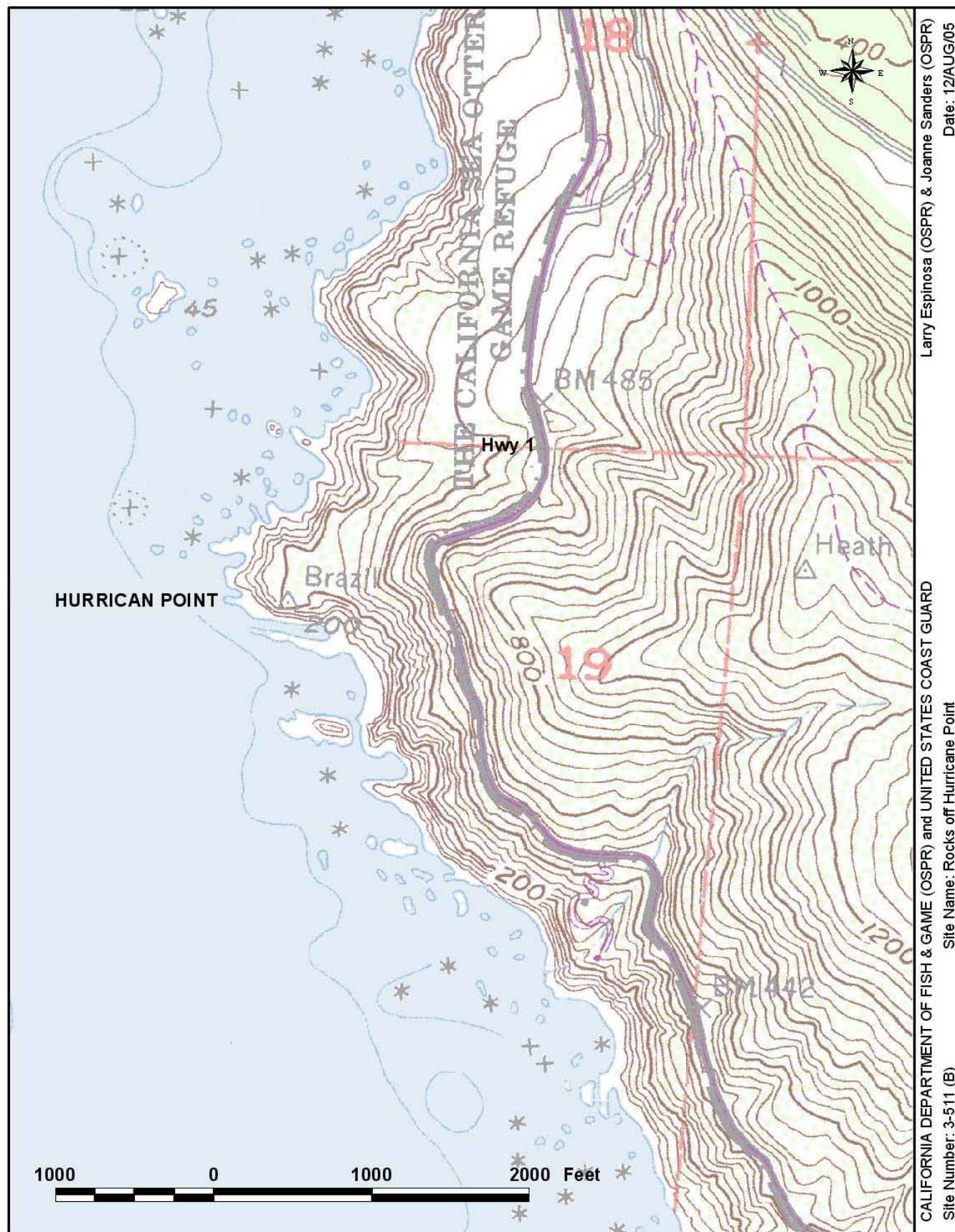
Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Rocks off Hurricane Point  
Site Number: 3-511 (B)

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

### 3-515 -A Site Summary- Little Sur Inlet and Beach

3-515 -A

County: **Monterey**  
USGS Quad: **Point Sur**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 20.3'  
Longitude W  
121° 54.4'

Last Page Update :
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#### SITE DESCRIPTION:

Small pond and cow pasture behind inlet.

#### SEASONAL and SPECIAL RESOURCE CONCERN

#### RESOURCES OF PRIMARY CONCERN

Shorebirds and seabirds including the endangered brown pelican and threatened snowy plover.

Sea otters

Steelhead trout and tidewater goby (candidate species).

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 1317, 1318, 1319, 200402470

### 3-515 -A Site Strategy - Little Sur Inlet and Beach

County and Thomas Guide Location

NOAA CHART

### 3-515 -A

Latitude N

Longitude W

36° 20.3' 121° 54.4'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Make every effort to close off inlet to ponded area. There are shorebirds and seabirds including the endangered brown pelican and threatened snowy plover. Sea otters present offshore. Anadromous stream for steelhead trout and tidewater goby (candidate species).

#### HAZARDS and RESTRICTIONS:

Private ownership, Big Sur Ranch - Owner, Jim Hill (831) 624-2719 - Foreman (831) 624-3514

#### SITE STRATEGIES

Make every effort to close off inlet to ponded area.

#### Strategy 3-515.1 Objective: Exclude oil by berming

ACP DATE

Construct sediment dike (up to 600-700 feet long) using local sediment of medium-grained sand. Sediment dike may be washed out during high discharge events on the river, but can be reconstructed as flood conditions wane. If diking is not possible but tidal flows or wave surge can still transport oil into wetland, deploy deflection booms instead (see strategy -.2).

#### Strategy 3-515.2 Objective: Exclude oil by booming (in lieu of berming) when tide/surge threatens to transport oil into wetland

ACP DATE

Deploy deflection booms at an angle across the current to landward side of lagoon toward a site favorable for collection (based on prevailing current and wind directions). A punt may be necessary to execute deployment.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	Anchoring type and gear	Boom boat	Skiffs punts	Skimmers No	Skimmers Type	Special Equipment No and kinds	staff deploy	Staff tend
3-515.1	0	0	0	0	0		0	0	0		0		
3-515.2	0	1000	0	0	5	2 anchors and 3 stakes	0	1	0		0		4

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Take Highway 1 south past Rio Road (in Carmel) about 15 miles. The highway takes a broad sweep inland just as it crosses the river. The Little Sur River bridge has the river name on it. There are at least foot paths, but perhaps no vehicle access, from the bridge side. However, vehicle access may be possible from the ranch just upcoast from the river. Contact the ranch owner or foreman for access information and permission to pass. Small pond and cow pasture behind inlet.

**LAND ACCESS:** Private ownership; locked gates; mostly food access

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: ATV access may be possible in creek bottom at low flows.

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**

# INLET SKETCH MAP

LITTLE SUR RIVER

Inlet Name INLET, CA.

Recorder(s) MOH/TMH

Date/Time 7 APR 1992, 1645

Tide Stage LOW (449.103); CARMEL CODE

Inlet Classification C

## CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

XXXXXX →

Recommended Oil-Catchment Area

✓ ✓

Salt-Water Marsh



Fresh-Water Marsh



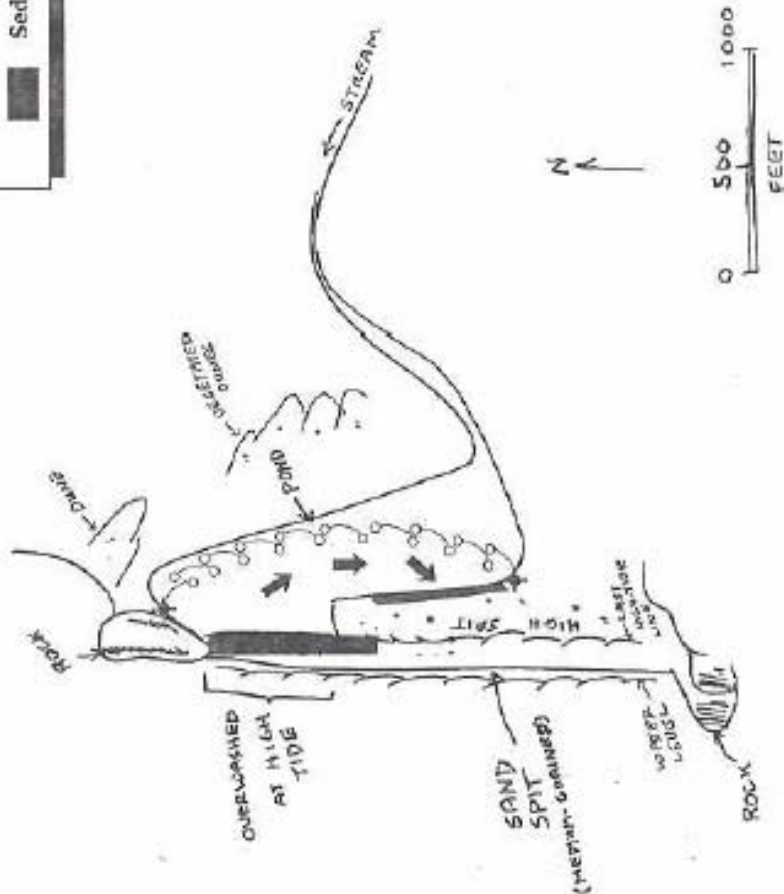
High-Tide Overwash Zone



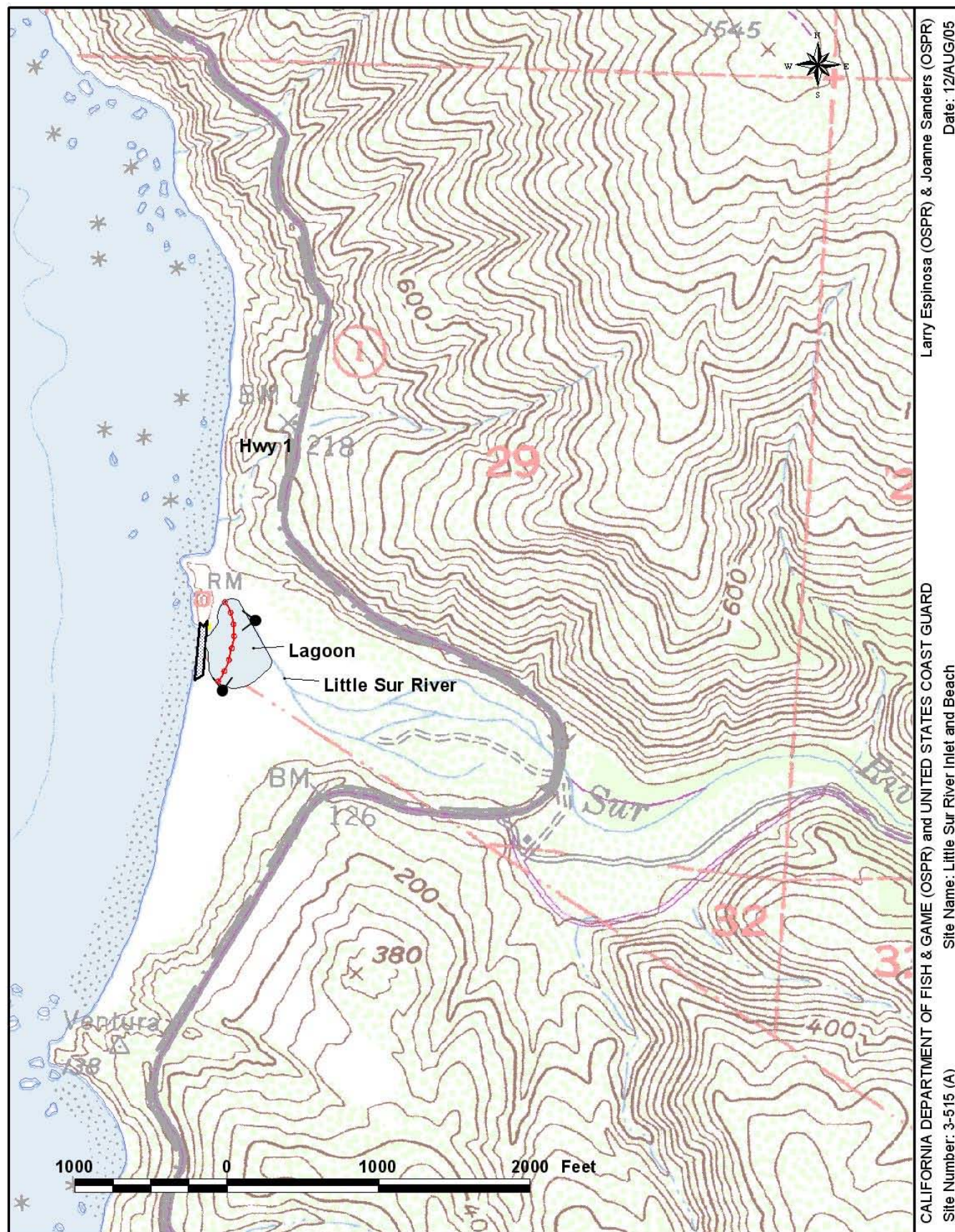
Last High-Tide Swash Line

## POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

- Path Of Oil
- ~ Deflection Boom
- Oil On Shoreline
- ✦ Anchor Point / Hinge Line
- Sediment Dike







Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Little Sur River Inlet and Beach  
Site Number: 3-515 (A)

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

### 3-520 -A Site Summary- Point Sur Beach

3-520 -A

County: **Monterey**  
USGS Quad: **Point Sur**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 18.7'  
Longitude W  
121° 54.6'

Last Page Update :
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#### SITE DESCRIPTION:

Fine to medium grain sandy beach.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Western snowy plovers (threatened); other shore and seabirds including cormorants and endangered brown pelicans.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 200402440-200402449

### 3-520 -A Site Strategy - Point Sur Beach

County and Thomas Guide Location

NOAA CHART

### 3-520 -A

Latitude N

Longitude W

36° 18.7' 121° 54.6'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Western snowy plovers (threatened) can be found as well as other shore and seabirds including cormorants and endangered brown pelicans.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-520.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-520.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 south from Rio Road (in Carmel) about 20 miles. Pt. Sur Lighthouse is on the right. Conspicuous beaches are on either side of the point, with access possible from a paved road. Conditions permitting, small boats may be launched from the beach on the lee side of the point. Point Sur Beach is on the upcoast side of Point Sur.

**LAND ACCESS:** Large truck on road; foot access only on beach

#### WATER LOGISTICS:

Limitations: depth, obstruction

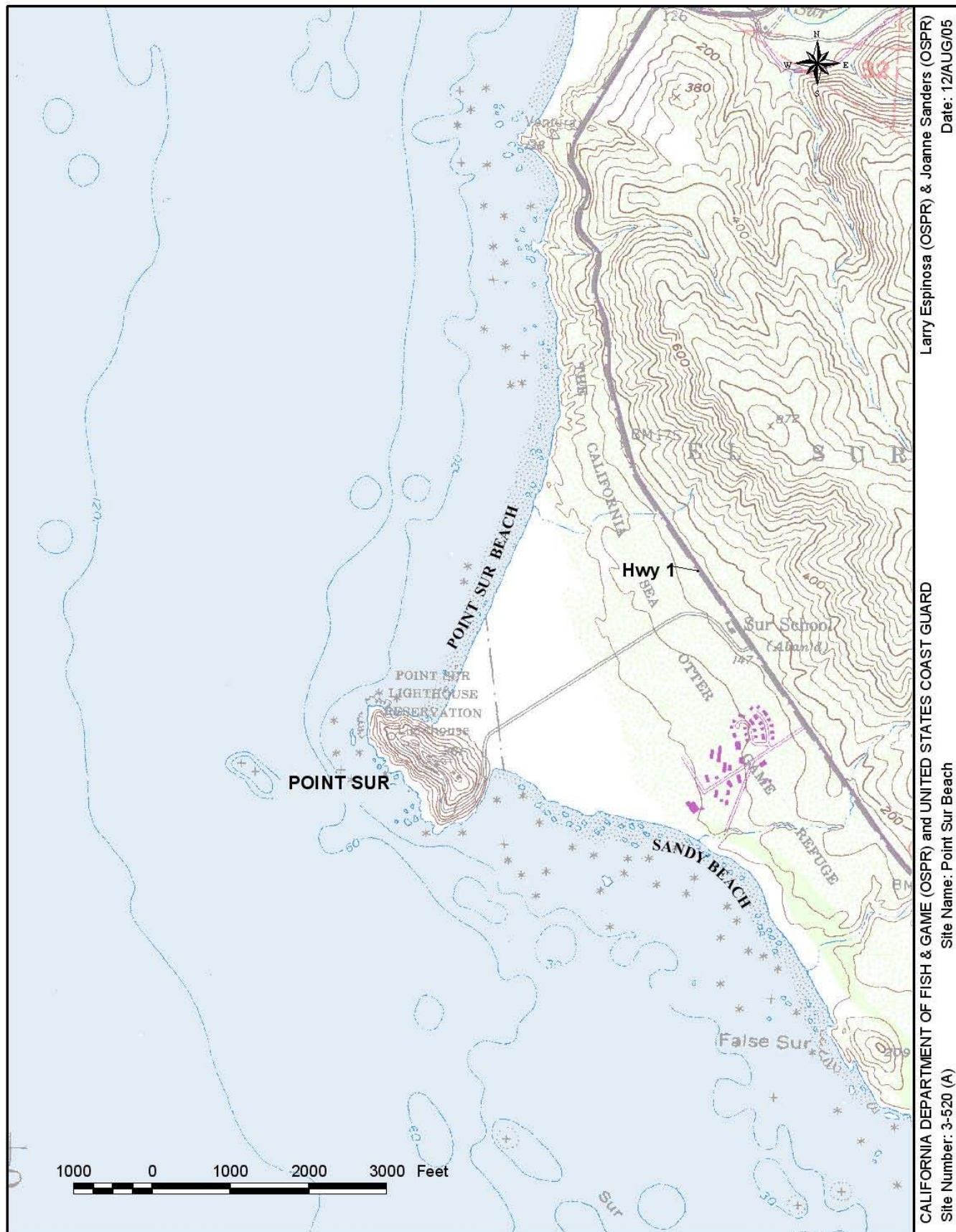
Launching, Loading, Docking Conditions permitting, small boats may be launched from the beach on the lee side of the point.  
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

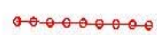
**ADDITIONAL OPERATIONAL COMMENTS:**





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Point Sur Beach  
Site Number: 3-520 (A)



Harbor Boom



Swamp Boom



sss / sfs



Sorbent Boom



Other Boom



tsa / sps



Dike or Berm



Excellior Fence



tba/voo

County: **Monterey**  
USGS Quad: **Point Sur**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 18.6'  
Longitude W  
121° 54.6'

Last Page Update :
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**SITE DESCRIPTION:**

Exposed sandy beaches to the north and south. Point Sur Lighthouse, State Historic Building, is located on the rocky headland.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

Black swifts (DFG species of special concern, NDDDB) can be found in the cliffs.

Pacific harbor seals haulout year round. From May-June, 800 animals have been observed here. In the first small cove just south of Point Sur, there is an elephant seal haulout area.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 220402446-2004024450. Private ownership on north side of point.



### 3-522 -C Site Strategy - Point Sur

County and Thomas Guide Location

NOAA CHART

### 3-522 -C

Latitude N Longitude W

36° 18.6' 121° 54.6'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Pacific harbor seals haulout year round. From May-June, 800 animals have been observed here. In the first small cove just south of Point Sur, there is an elephant seal haulout area. Black swifts (DFG species of special concern, NDDDB) can be found in the cliffs.

#### HAZARDS and RESTRICTIONS:

Jim Hill (Owner of North Side of Pt. Sur), (831) 624-2719

#### SITE STRATEGIES

Strategy 3-522.1 **Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-522.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

**LAND ACCESS:** Large truck on road; foot access only on beaches.

#### WATER LOGISTICS:

Limitations: depth, obstruction

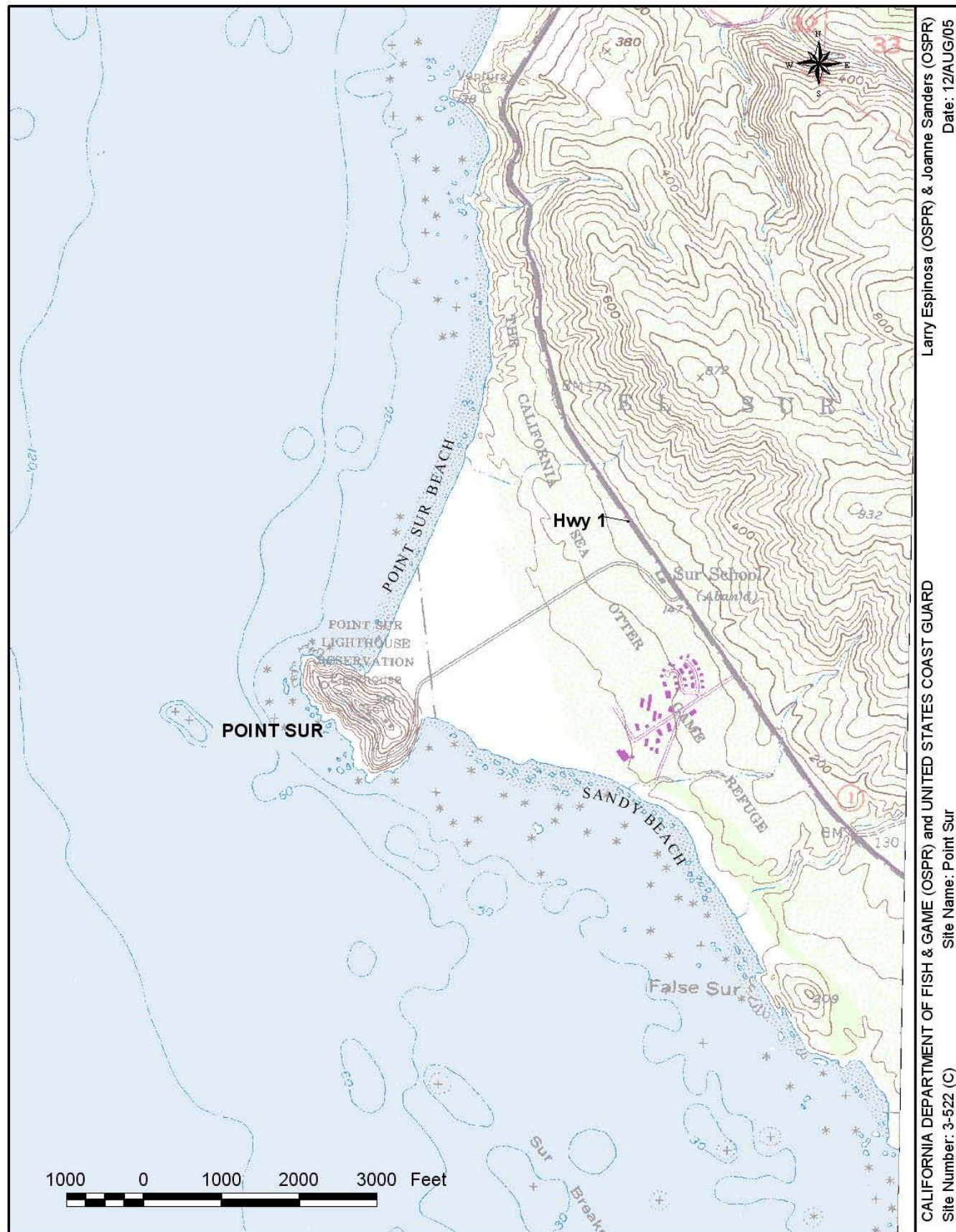
Launching, Loading, Docking

and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**





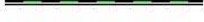
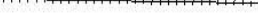



**ADDITIONAL OPERATIONAL COMMENTS:**



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Point Sur

Site Number: 3-522 (C)

- |   |  |  |
|---|--|--|
|  Harbor Boom |  Sorbent Boom |  Dike or Berm    |
|  Swamp Boom  |  Other Boom   |  Excellior Fence |
|  sss / sfs   |  tsa / sps    |  tba/voo        |

# 3-525 -A Site Summary- Sandy Beach South of Point Sur

3-525 -A

County: **Monterey**  
USGS Quad: **Point Sur**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 17.7'  
Longitude W  
121° 54.0'

Last Page Update :
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## SITE DESCRIPTION:

Sandy beach south of Point Sur. Fine to medium grained sandy beach with intertidal rocks and boulders.

## SEASONAL and SPECIAL RESOURCE CONCERN

Year round

## RESOURCES OF PRIMARY CONCERN

Shorebirds and seabirds, including endangered brown pelicans and threatened snowy plovers.

## CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 220402449-2004024469 (fringing sandy beach all the way down to

### 3-525 -A Site Strategy - Sandy Beach South of Point Sur

County and Thomas Guide Location

NOAA CHART

### 3-525 -A

Latitude N

Longitude W

36° 17.7' 121° 54.0'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Shorebirds and seabirds, including endangered brown pelicans and threatened snowy plovers.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-525.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-525.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Take Highway 1 south from Rio Road (in Carmel) about 20 miles. Pt. Sur Lighthouse is on the right. Conspicuous beaches are on either side of the point, with access possible from a paved road. Conditions permitting, small boats may be launched from the beach on the lee side of the point. This beach is on the downcoast side of Point Sur. Sandy beach south of Point Sur.

**LAND ACCESS:** Large trucks on road; foot access only on beaches

#### WATER LOGISTICS:

Limitations: depth, obstruction

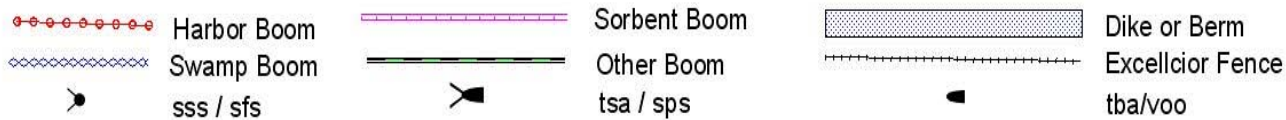
Launching, Loading, Docking and Services Available: Conditions permitting, small boats may be launched from the beach on the lee side of the point.

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**







### 3-530 -A Site Summary- Big Sur River Inlet

3-530 -A

County: **Monterey**  
USGS Quad: **Point Sur**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 16.5'  
Longitude W  
121° 52.0'

Last Page Update :

#### SITE DESCRIPTION:

This site is within Andrew Molera State Park which includes 4,786 acres of land with 2.6 miles of ocean frontage. The park includes the lower reaches of the Big Sur River. Fringing freshwater marsh along banks of stream. Staff from the Ventana Wilderness Sanctuary operate an ornithological education and research station in the park.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

Fringing freshwater marsh along banks of stream.

Shorebirds and seabirds, including endangered brown pelicans

Sea otters

Steelhead trout

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Archeological sites have been found near the river mouth.

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 200402471, 2518, 2519, 1513, 1514, 1351, 7223085. Site of Andre

### 3-530 -A Site Strategy - Big Sur River Inlet

County and Thomas Guide Location

NOAA CHART

### 3-530 -A

Latitude N Longitude W

36° 16.5' 121° 52.0'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Make every effort to preserve vegetated foredunes at east end of spit. Anadromous stream for steelhead trout. Shorebirds and seabirds, including endangered brown pelicans present. Archeological sites have been found near the river mouth so get explicit guidance before disturbing the area with shovel or equipment work.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Exclude oil from lagoon and protect upstream marshes. Typical coastal lagoon berm forms and opens seasonally. Response depends on runoff, surge, and condition of berm at the time of spill event. Sediment here tend to be coarse and plastic sheeting may be required to prevent oil penetration.

#### Strategy 3-530.1 Objective: Exclude oil by berming when outflow is modest and berming is possible.

ACP DATE

Close off inlet with sediment dike (sand and gravel) about 500 feet long, making every effort to preserve vegetated foredunes at east end of spit.

#### Strategy 3-530.2 Objective: Exclusion by booming in lieu of berming

ACP DATE

Use deflection booms to direct oil to spit: angle boom across current (see sketch). The only good catchment area is located on landward side of spit. Advise UC/IC if skimmable oil is present and if skimming pocket can be formed.

#### Strategy 3-530.3 Objective: when waves overtop lagoon spit.

ACP DATE

The entire spit would be washed over during extra high spring tides or during storms, making it impossible to keep oil out of the stream and marsh if the dike should fail.

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-530.1	0	0	0	0	0	0	0	0	0		
3-530.2	0	1000	0	0	10 6 medium to small anchors+ 4 stakes	0	0	0	0		
3-530.3	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Exit Highway 1 south to the Andrew Molera State Park parking area (south of Point Lobos State Reserve). Vehicle access to Big Sur River mouth: North from the parking lot, 1/4 mile, is a locked gate on a dirt road. This service road allows emergency response vehicles access to the river mouth. This site is within Andrew Molera State Park which includes 4,786 acres of land with 2.6 miles of ocean frontage. The park includes the lower reaches of the Big Sur River.

LAND ACCESS: 4WD

##### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

The walk-in campground along with the parking area can be used as a staging area.

##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:

# INLET SKETCH MAP

BIG SUR RIVER

Inlet Name INLET, CA.

Recorder(s) MPH/TMM

Date/Time 7 NOV. 1992, 1558

Tide Stage LOW @ 1449 (± 0.3), CAMEL COBE

Inlet Classification C

## CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ High-Tide Line
- ✓ Low-Tide Line
- ✓ Substrate Type

## LEGEND

----- Recommended Oil-Catchment Area

✓ ✓

Salt-Water Marsh



Fresh-Water Marsh



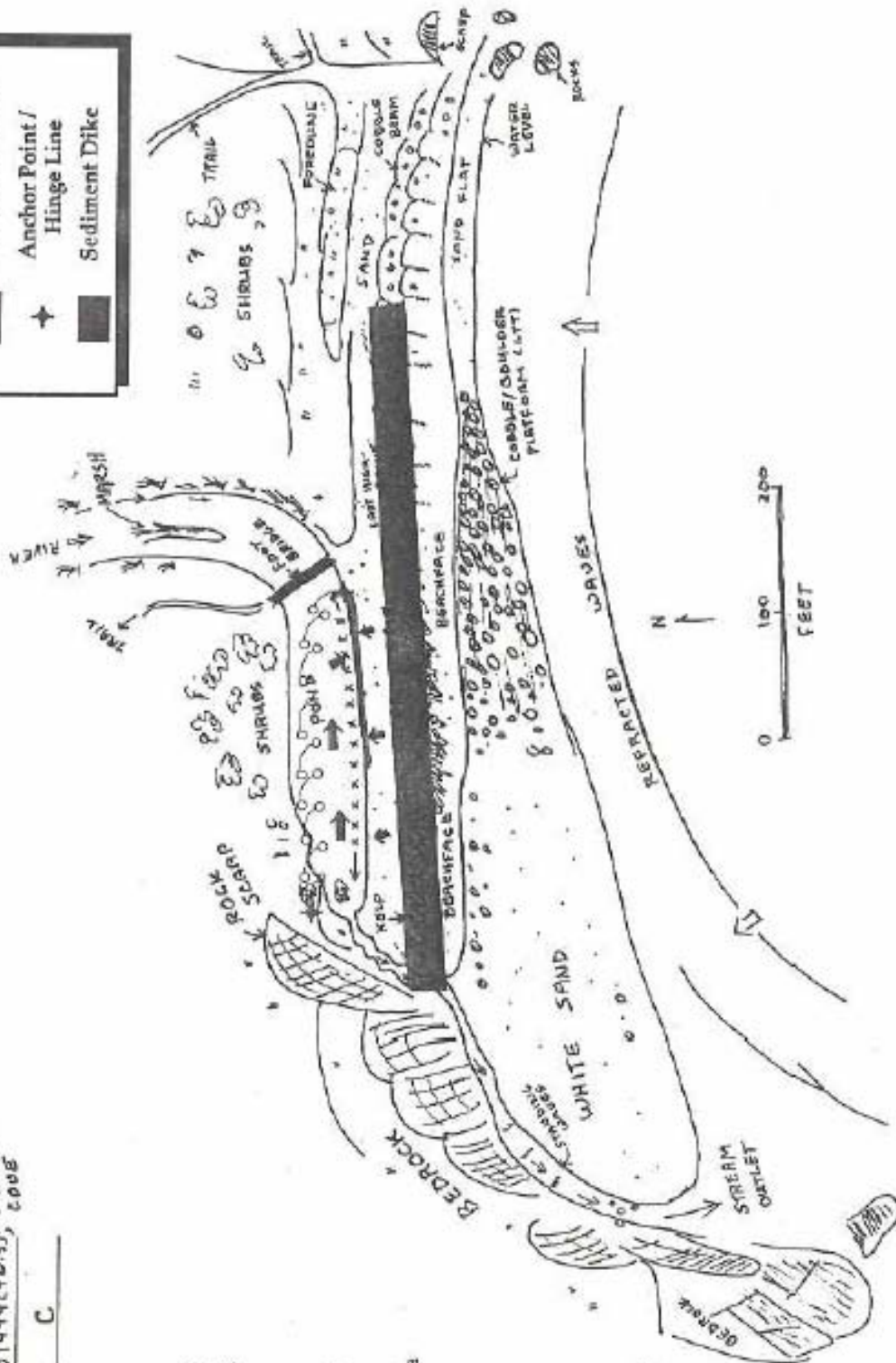
High-Tide Overwash Zone

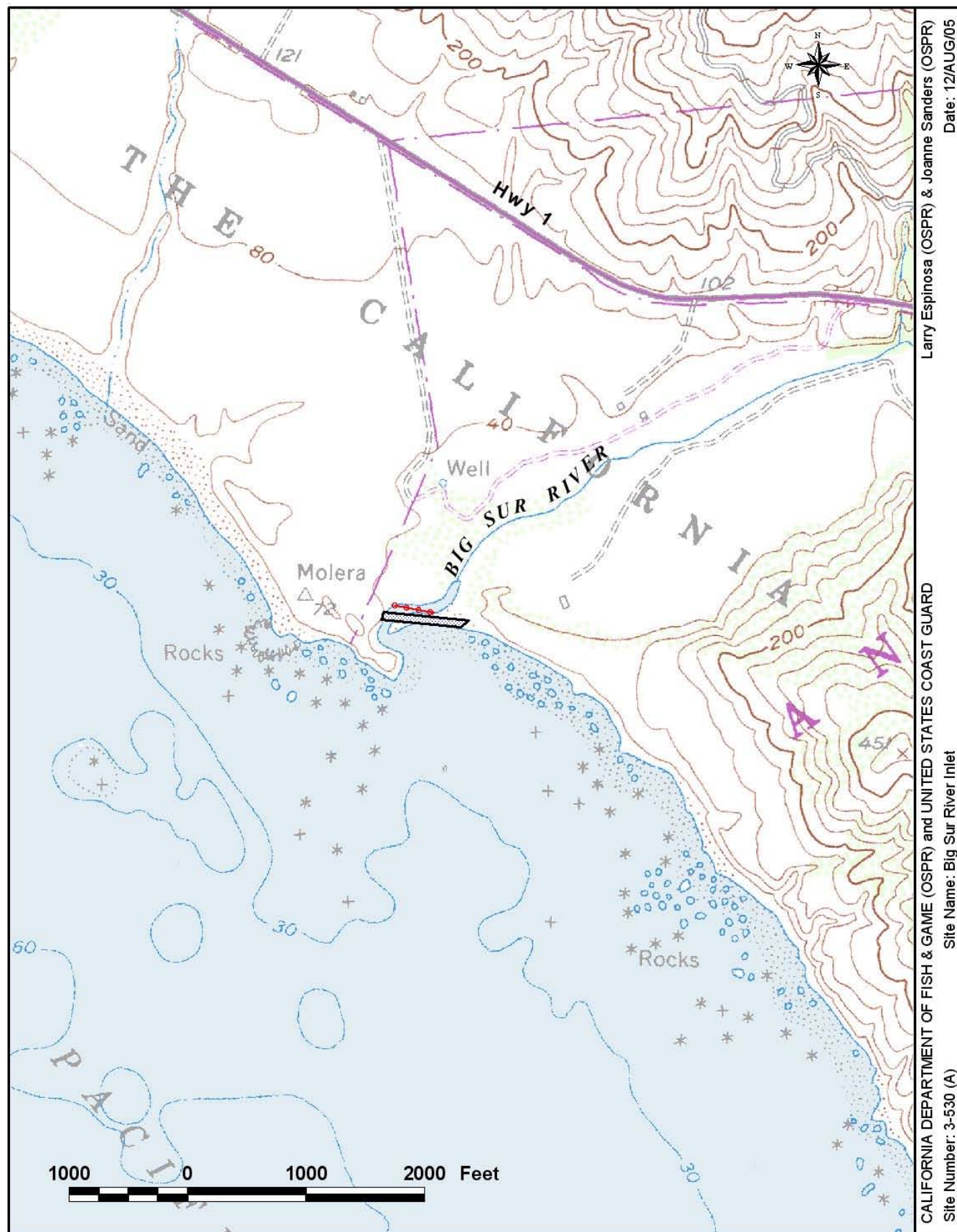


Last High-Tide Swash Line

## POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

- ➡ Path Of Oil
- Deflection Boom
- Oil On Shoreline
- ✦ Anchor Point / Hinge Line
- Sediment Dike





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Big Sur River Inlet  
Site Number: 3-530 (A)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

County: **Monterey**  
USGS Quad: **Pfeiffer Point**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 14.2'  
Longitude W  
121° 49.5'

Last Page Update :
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**SITE DESCRIPTION:**

Owned by the U.S. Forest Service, run by private concessionaire. The general site area (Pfeiffer Beach and Pfeiffer Point) can be described as having a prominent cliff shore line with a few pocket beaches. Pfeiffer Beach is located within Julia Pfeiffer Burns State Park on Hwy.1. Sheer cliffs are predominant along this stretch of coastline with small pocket beaches here and there. A 1600 acre offshore area has been set aside by the State Lands Commission as an Underwater State Park. This same area has been declared an Area of Special Biological Significance.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

This area is a rookery for double crested cormorants (DFG species of special concern). These birds nest in the coastal cliffs and occupy the area year round.

Little Sur manzanita (candidate species) is a coastal bluff scrub plant species.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES****KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 1536, 1537, 1538, 2545, 1368. Recreational area. Also nearby Pfei



### 3-540 -A Site Strategy - Pfeiffer Beach

County and Thomas Guide Location

#### B Monterey

NOAA CHART

### 3-540 -A

Latitude N Longitude W

36° 14.2' 121° 49.5'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Little Sur manzanita (candidate species) is a coastal bluff scrub plant species. This area is a rookery for double crested cormorants (DFG species of special concern). These birds nest in the coastal cliffs and occupy the area year round. A 1600 acre offshore area has been set aside as an Underwater State Park and been declared an Area of Special Biological Significance.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-540.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-540.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Pfeiffer Beach is located within Julia Pfeiffer Burns State Park on Hwy.1, approximately 26 miles south of Carmel. Sheer cliffs are predominant along this stretch of coastline with small pocket beaches here and there. There is no vehicle access to the beach at the main Park Entrance (McWay Canyon). Limited vehicle access to the shoreline is available at Partington Canyon from Hwy. 1, through a locked gate and down a narrow, one-way road to the rocky beach. An inflatable craft, i.e. zodiac type, can be launched from this small beach. Owned by the U.S. Forest Service, run by private concessionaire.

**LAND ACCESS:** Foot access only

#### WATER LOGISTICS:

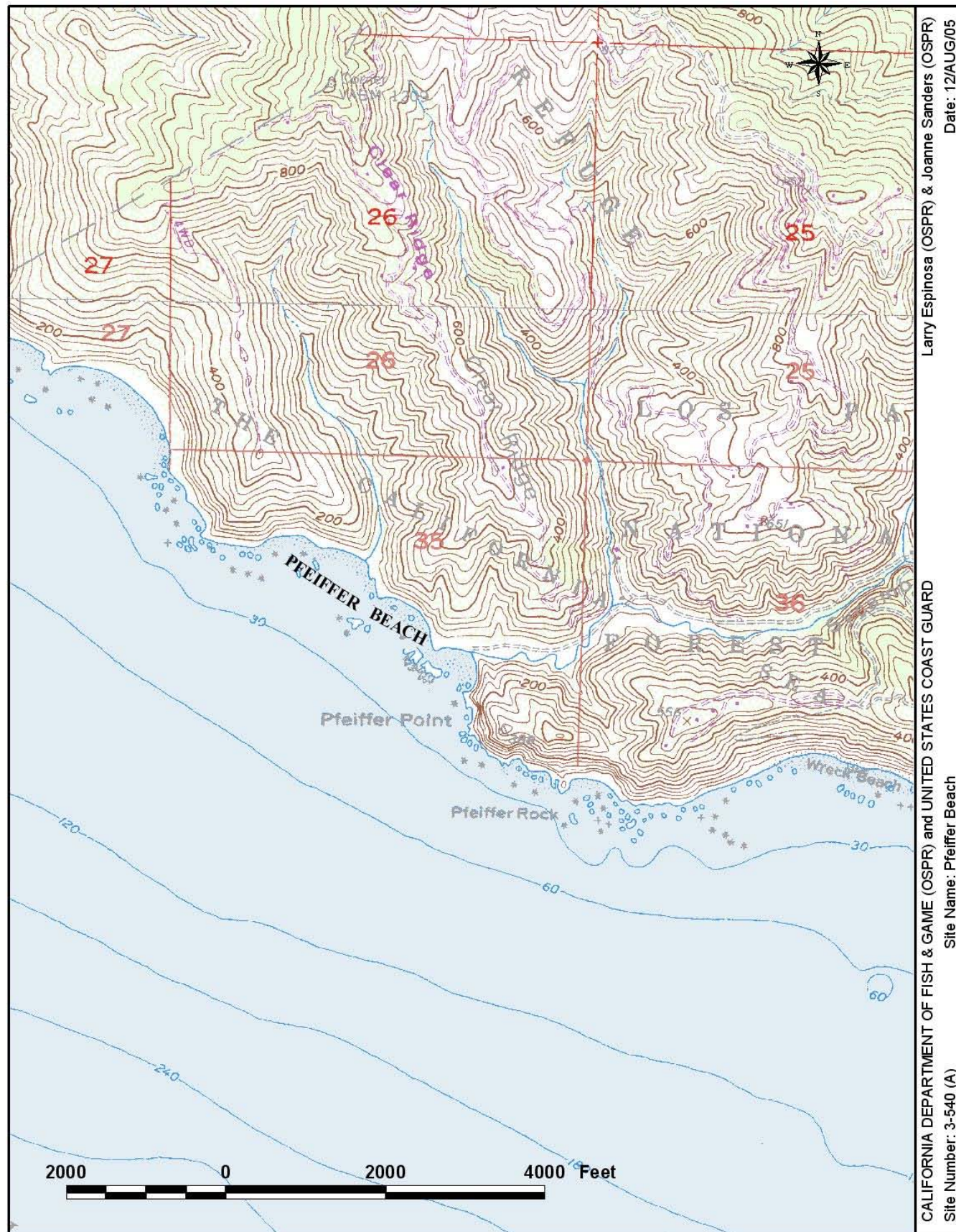
Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: There is no vehicle access to the beach at the main Park Entrance (McWay). An inflatable craft, i.e. zodiac type, could be launched from this small beach.

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Pfeiffer Beach  
Site Number: 3-540 (A)

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

### 3-550 -B Site Summary- Partington Point and South

3-550 -B

County: **Monterey**  
USGS Quad: **Partington Ridge**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N      Longitude W  
36° 11.1'      121° 43.4'

Last Page Update :

#### SITE DESCRIPTION:

Partington Point is located within Julia Pfeiffer Burns State Park. Sheer cliffs are predominant along this stretch of coastline with small pocket beaches here and there. A 1600 acre offshore area has been set aside by the State Lands Commission as an Underwater State Park. This same area has been declared an Area of Special Biological Significance.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Year round

#### RESOURCES OF PRIMARY CONCERN

This area is a rookery for double crested cormorants (DFG species of special concern). These birds nest in coastal cliffs.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
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#### ADDITIONAL SITE SUMMARY COMMENTS:

<http://www.californiacoastline.org> Image #s 200402537. Nearby Julia Pfeiffer Burns State Park. Area of Special

### 3-550 -B Site Strategy - Partington Point and South

County and Thomas Guide Location

NOAA CHART

### 3-550 -B

Latitude N Longitude W

36° 11.1 121° 43.4'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

This area is a rookery for double crested cormorants (DFG species of special concern). These birds nest in coastal cliffs. A 1600 acre offshore area has been set aside by the State Lands Commission as an Underwater State Park. This same area has been declared an Area of Special Biological Significance.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

#### Strategy 3-550.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-550.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

##### DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Partington Point is located within Julia Pfeiffer Burns State Park on Hwy. 1, approximately 26 miles south of Carmel. Sheer cliffs are predominant along this stretch of coastline with small pocket beaches here and there. There is no vehicle access to the beach at the main Park entrance (McWay Canyon). Limited vehicle access to the shoreline is available at Partington Canyon from Hwy. 1, through a locked gate and down a narrow, one-way road to the rocky beach.

LAND ACCESS: 4WD

##### WATER LOGISTICS:

Limitations: depth, obstruction

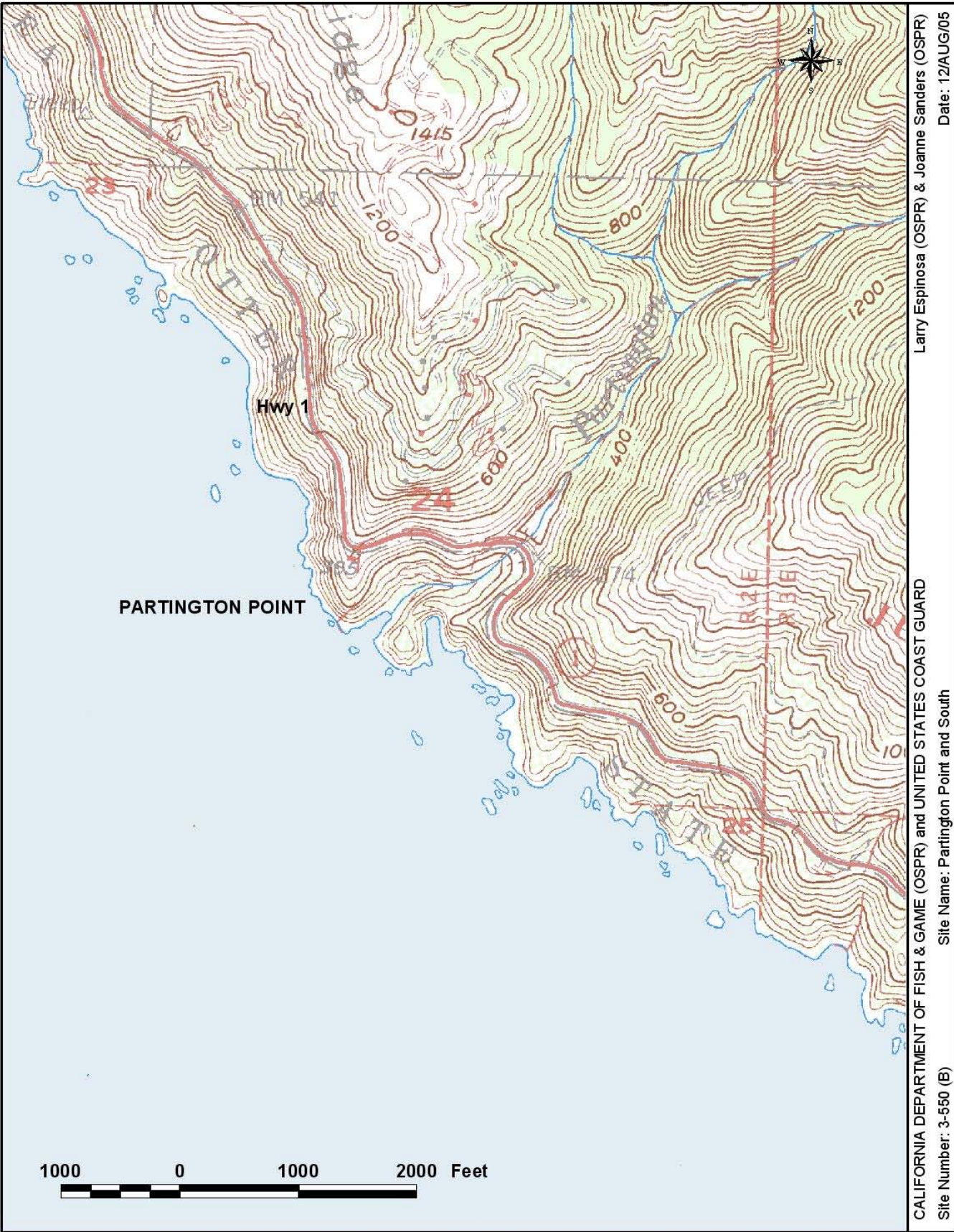
Launching, Loading, Docking and Services Available: An inflatable craft, i.e., Zodiac type, could be launched from this small beach. Sheer cliffs and small rocky beach.

##### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:


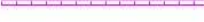


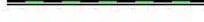
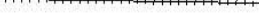



##### COMMUNICATIONS PROBLEMS:

##### ADDITIONAL OPERATIONAL COMMENTS:





California Department of Fish & Game (OSPR) and United States Coast Guard  
Site Name: Partington Point and South  
Site Number: 3-550 (B)  
Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

- |   |  |   |
|---|--|---|
|  Harbor Boom |  Sorbent Boom |  Dike or Berm    |
|  Swamp Boom  |  Other Boom   |  Excellior Fence |
|  sss / sfs   |  tsa / sps    |  tba/voo         |



### 3-560 -B Site Summary- Dolan Rock Area

**3-560 -B**

County: **Monterey**  
USGS Quad: **Lopez Point**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 05.0'  
Longitude W  
121° 37.3'

Last Page Update :
--------------------

#### **SITE DESCRIPTION:**

Rocky area with moderate- to high-energy ocean waves.

#### **SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

#### **RESOURCES OF PRIMARY CONCERN**

Pacific harbor seals. During the months of May-June, 400 animals have been observed here.

#### **CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

#### **KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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#### **ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s1595.

### 3-560 -B Site Strategy - Dolan Rock Area

County and Thomas Guide Location

NOAA CHART

### 3-560 -B

Latitude N Longitude W

36° 05.0' 121° 37.3'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Pacific harbor seals. During the months of May-June, 400 animals have been observed here.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-560.1 Objective: No on-site mechanical protection: pursue advanced response technology

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-560.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Rocky area with moderate- to high-energy ocean waves.

#### LAND ACCESS:

#### WATER LOGISTICS:

Limitations: depth, obstruction

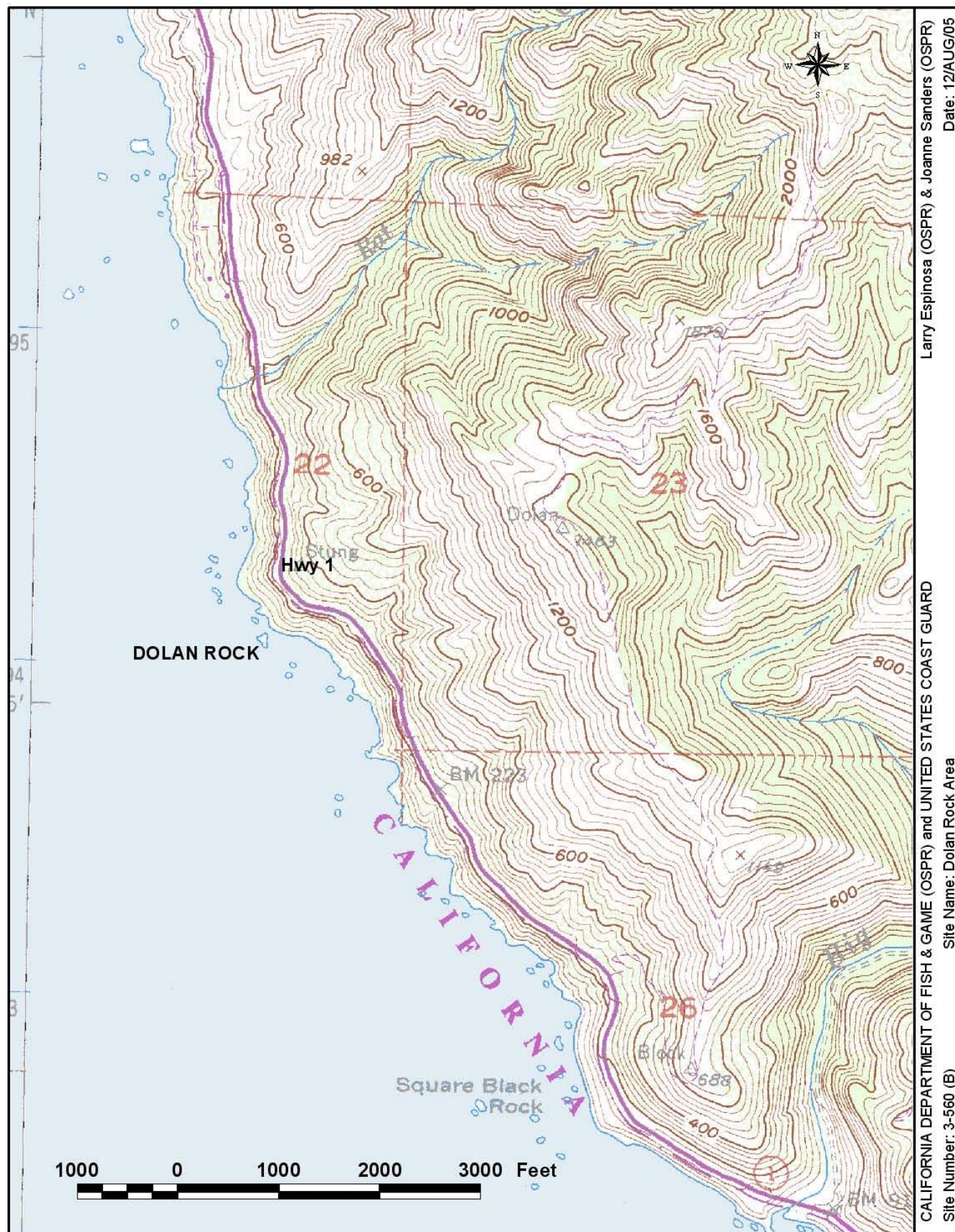
Launching, Loading, Docking

and Services Available:

#### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

#### COMMUNICATIONS PROBLEMS:

#### ADDITIONAL OPERATIONAL COMMENTS:



Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Dolan Rock Area  
Site Number: 3-560 (B)

- |  |             |  |              |  |                 |
|--|-------------|--|--------------|--|-----------------|
|  | Harbor Boom |  | Sorbent Boom |  | Dike or Berm    |
|  | Swamp Boom  |  | Other Boom   |  | Excellior Fence |
|  | sss / sfs   |  | tsa / sps    |  | tba/voo         |

County: **Monterey**  
USGS Quad: **Lopez Point**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
36° 14.0'  
Longitude W  
121° 49.2'

Last Page Update :
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**SITE DESCRIPTION:**

The beach is composed of course-grained sand with a gentle sloping fore-shore. There is abundant marine life to attract scuba divers. Steep, unstable ocean cliffs are north and south of the beach. Campground at this site is the only safe access to the shoreline for several miles either north or south from here.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Year round

**RESOURCES OF PRIMARY CONCERN**

A Redwood riparian plant community flourishes along the creek.

Steelhead trout have been reported in the creek.

Redwood riparian plant community

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

At the upper end of the property are the remains of an old, historic lime kiln. Vigorous vegetative growth has taken over the structure.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
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**ADDITIONAL SITE SUMMARY COMMENTS:**

<http://www.californiacoastline.org> Image #s 1537, 1538, 2547. Recreational area with 43 campsites and easy b

### 3-570 -A Site Strategy - Limekiln State Park

County and Thomas Guide Location

NOAA CHART

### 3-570 -A

Latitude N

Longitude W

36° 14.0' 121° 49.2'

#### B Monterey

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

A Redwood riparian plant community flourishes along the creek. Steelhead trout have been reported in the creek. At the upper end of the property are the remains of an old, historic lime kiln. Vigorous vegetative growth has taken over the structure.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

Strategy 3-570.1 **Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-570.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS:** to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Traveling south on Highway 1, Limekiln State Park is 2 mi. south of Lucia. Access is at the south end of the bridge. A narrow dirt road leads down to a semi-flat area which can support approximately 44 campground spaces adjacent to the beach and Limekiln Creek. This site is the only safe access to the shoreline for several miles either north or south from here.

**LAND ACCESS:** 2WD

**WATER LOGISTICS:** Can launch small skiffs from the beach

Limitations: depth, obstruction

Launching, Loading, Docking

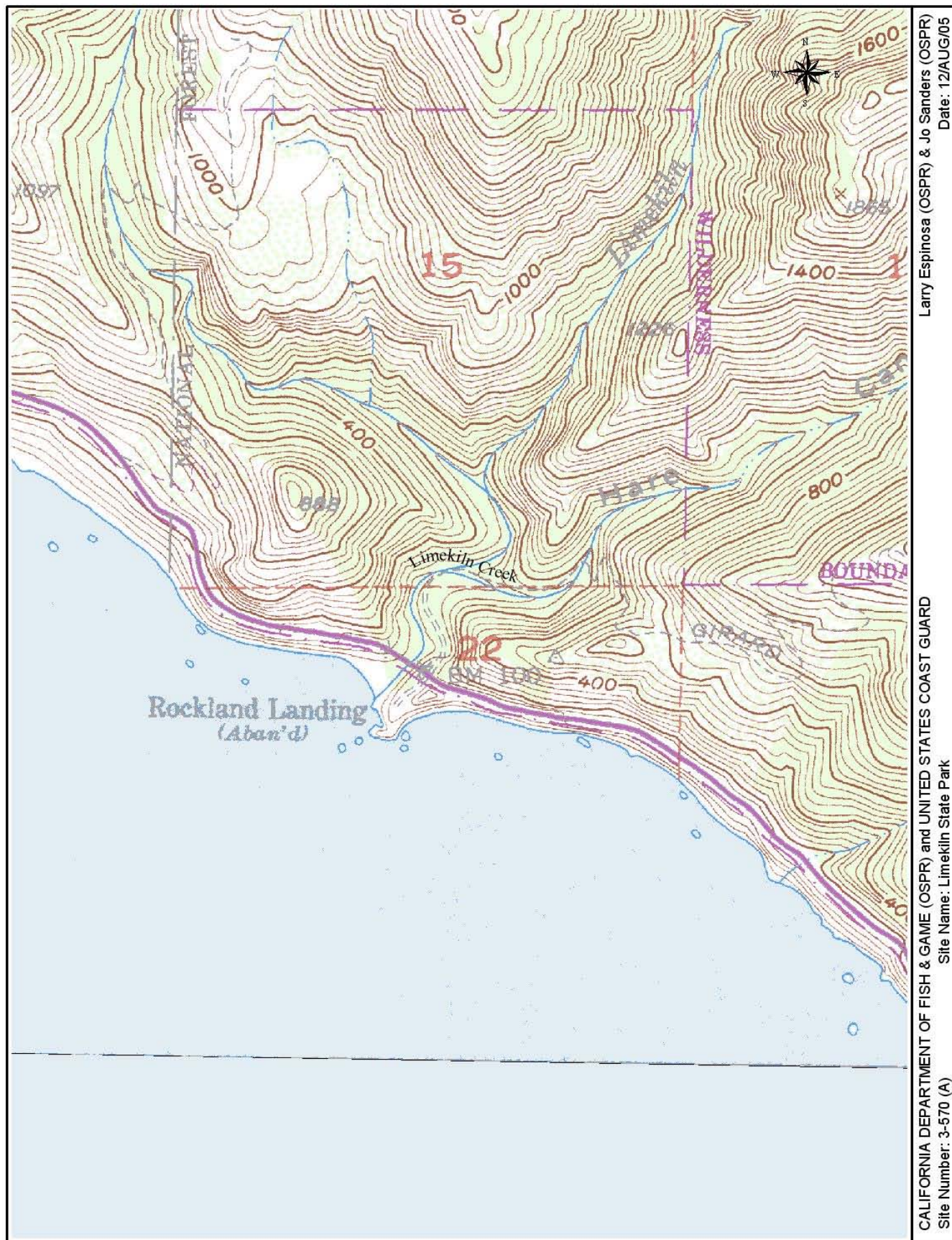
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
 Site Name: Limekiln State Park  
 Site Number: 3-570 (A)

Larry Espinosa (OSPR) & Jo Sanders (OSPR)  
 Date: 12/AUG/05



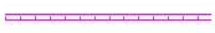
Harbor Boom



Swamp Boom



sss / sfs



Sorbent Boom



Other Boom



tsa / sps



Dike or Berm



Excellior Fence

tba/voo

### 3-580 -A/B Site Summary- Gorda Beaches

3-580 -A/B

County: **Monterey**  
USGS Quad: **Cape San Martin**

Thomas Guide Location  
**B**  
NOAA Chart:

Latitude N  
35° 52.3'  
Longitude W  
121° 27.3'

Last Page Update :

#### SITE DESCRIPTION:

There are a series of small pocket beaches in the general area of Gorda. Beaches fronted by wave-cut platform, near the town of Gorda. Salmon Creek, an Area of Special Biological Significance owned by the U.S. Forest Service (805-961-5727) is 6 miles south of Gorda.

#### SEASONAL and SPECIAL RESOURCE CONCERN

Rookery December-March (Priority A); haulout July-Aug. (Priority B).

#### RESOURCES OF PRIMARY CONCERN

Beaches fronted by wave-cut platform, near the town of Gorda.

#### CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

<http://www.californiacoastline.org> Image #s 200402763. Salmon Creek, an Area of Special Biological Significance owned by the U.S. Forest Service (805-961-5727) is 6 miles south of Gorda.

#### KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
------	--------------	--------------	-------

#### ADDITIONAL SITE SUMMARY COMMENTS:

### 3-580 -A/B Site Strategy - Gorda Beaches

County and Thomas Guide Location

#### B Monterey

NOAA CHART

### 3-580 -A/B

Latitude N Longitude W

35° 52.3' 121° 27.3'

Last Page Update :

#### CONCERNS and ADVICE to RESPONDERS:

Beaches fronted by wave-cut platform, near the town of Gorda. Salmon Creek, an Area of Special Biological Significance owned by the U.S. Forest Service (805-961-5727) is 6 miles south of Gorda.

#### HAZARDS and RESTRICTIONS:

#### SITE STRATEGIES

**Strategy 3-580.1 Objective: No on-site mechanical protection: pursue advanced response technology**

ACP DATE

#### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment No and kinds	staff deploy	Staff tend
3-580.1	0	0	0	0	0	0	0	0	0		

#### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

There are a series of small pocket beaches in the general area of Gorda, about 12 miles south of Limekiln State Park. Gorda has a gas station and restaurant, but no other services aside from a small paved parking area. Most of the access will be by foot and over relatively low bluffs with some steep paths.

**LAND ACCESS:** Foot access only

#### WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

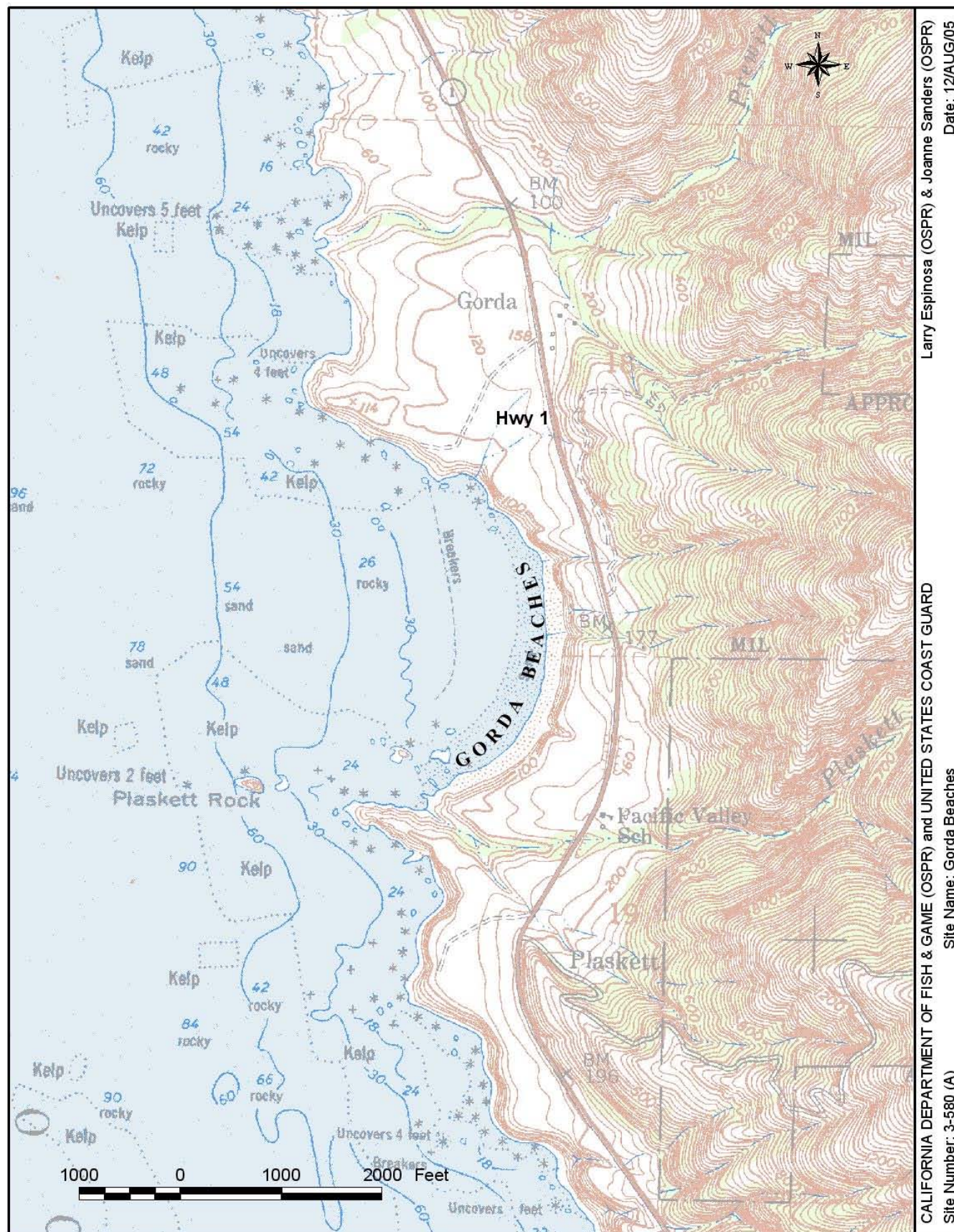
and Services Available:

**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

**COMMUNICATIONS PROBLEMS:**

**ADDITIONAL OPERATIONAL COMMENTS:**





Larry Espinosa (OSPR) & Joanne Sanders (OSPR)  
Date: 12/AUG/05

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD  
Site Name: Gorda Beaches  
Site Number: 3-580 (A)

Harbor Boom  
Swamp Boom  
sss / sfs

Sorbent Boom  
Other Boom  
tsa / sps

Dike or Berm  
Excellior Fence  
tba/voo

## 9875.2 Cultural, Historical, Archeological & Economic Resources

For general information about cultural, historical and archeological resources, and the **Programmatic Agreement on Protection of historic properties during emergency response under the national oil and hazardous substances pollution contingency plan**, please refer to section 9802.1. The table below lists the cultural, historical, archaeological and economic resources for this Geographic Response Area.

### Central Coast Geographic Response Area 5: Garrapata Creek to Gorda Beaches

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
Includes all of this GSA		E	Monterey Bay National Marine Sanctuary 299 Foam Street, Monterey, CA 93940	Superintendent (831) 647-4201 (831) 647-4260 FAX	N
		D	Commercial Fishing Grounds (salmon, rockfish, sole, squid, albacore, etc.)	Moss Landing Commercial Fisherman's Association P.O. Box 44 Moss Landing, CA 95039  Monterey Fishermen's Marketing Association P.O. Box 661 Pacific Grove, CA 93950 Mike Ricketts (831) 659-2838	N
<b>Garrapata Creek Inlet</b>  (Highway 1, 2 miles south of Malpaso Creek, Big Sur)	3-500	C	Garrapata State Park  Recreational area; 4 miles of rocky shoreline	Ca Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Garrapata Creek Inlet</b>  (Granite Canyon)	3-500	E	Granite Canyon Research Facility Department of Fish and Game Coast Route 1, Granite Canyon Monterey, CA 93940  Saltwater intake and discharge lines	Calif. Dept. Fish and Game Spills (24-hour): (916) 358-1300 Gen. daytime: (831) 649-2870  Facility Manager (831) 624-0947	N
<b>Little Sur River Inlet and Beach</b>	3-515	E	Little Sur River	Private (El Sur Ranch) Jim Hill (owner): (831) 624-2719 Foreman: (831) 624-3514	N
<b>Point Sur</b>  (Highway 1 at Point Sur)	3-522	C	Point Sur State Historic Park  Historical site; Point Sur Lighthouse	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)  Jim Hill owns north side of Pt. Sur property (831) 624-2719	N
<b>Big Sur River Inlet</b>  (West of Highway 1, end of Old Coast Road, Big Sur)  OSPR Map: 076	3-530	C	Andrew Molera State Park (Big Sur River mouth)  Natural and cultural site Recreational area; surfing area Walk-in camping	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N



## Central Coast Geographic Response Area 5, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Pfeiffer Beach</b>  (East of Highway 1, 26 miles south of Carmel)	3-540	E	Pfeiffer Big Sur State Park  Recreational area Camping Day use	Monterey County Fire Dispatch (831) 769-8899	N
<b>Pfeiffer Beach</b>  (West of Highway 1, end of Sycamore Canyon Road)	3-540	E	Pfeiffer Beach  Recreational area  Owned by U.S. Forest Service, run by private concessionaire.	Monterey County Fire Dispatch (831) 769-8899  US Forest Service, Los Padres Dispatch (831) 961-5727  CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Pfeiffer Beach</b>	3-540	E	Pfeiffer Point  Anchorage affording fair protection in north and northwest weather for small vessels, 0.9 miles ESE of Pfeiffer Point and 500 yards offshore in 8 fathoms	Monterey County Fire Dispatch (831) 769-8899	N
<b>Partington Point and South</b>	3-550	B	Julia Pfeiffer Burns State park  Area of Special Biological Significance  Possible access at Partington Ridge	CA Dept. of Parks and Rec. (831) 649-2810 (24-hour)	N
<b>Limekiln State Park</b>	3-570	E	Lopez Point  Anchorage affording some protection from northwest weather, 1 mile southwest of Lopez Point in 10 fathoms	Daytime: (831) 667-2403  CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N
<b>Limekiln State Park</b>	3-570	E	Landels-Hill Big Creek Reserve  Recreational area Research area	Daytime: (831) 667-2403  Landels-Hill Big Creek Reserve (831) 667-2543  CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N
<b>Limekiln State Park</b>  (Highway 1, 2 miles south of Lucia)	3-570	B	Limekiln Beach  Recreational area; campsites Easy beach public access	CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)  US Forest Service (805) 961-5727	N
<b>Limekiln State Park</b>  (Highway 1, 4 miles south of Lucia)	3-570	E	Kirk Creek  Recreational area; campsites  Owned by U.S. Forest Service, run by private concessionaire.	Daytime: (831) 667-2403  CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N
<b>Limekiln State Park</b>  (Highway 1, 5 miles south of Lucia)	3-570	E	Mill Creek  Recreational area: campsites  Owned by U.S. Forest Service, run by private concessionaire.	Daytime: (831) 667-2403  CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N

## Central Coast Geographic Response Area 5, continued

Site Location	Environ. Site Loc. /Sensitivity	Cult./ Hist./ Econ. Resp. Cat.	Description of Facility or Area	Contact Names/Numbers	Resp. Equip.
<b>Limekiln State Park</b>  (Pacific Valley, 6-10 miles south of Lucia)	3-570	E	Sand Dollar Beach  Recreational area; campsites  Owned by U.S. Forest Service, run by private concessionaire.	Daytime: (831) 667-2403  CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N
<b>Limekiln State Park</b>  (Highway 1, 12.4 miles south of Lucia)	3-570		Jade Cove  Recreational area; campsites  Owned by U.S. Forest Service, run by private concessionaire.	Daytime: (831) 667-2403  CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N
<b>Limekiln State Park</b>  (Highway 1, 14 miles south of Lucia)	3-570		Willow Creek  Recreational area; campsites  Owned by U.S. Forest Service, run by private concessionaire.	Daytime: (831) 667-2403  CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N
<b>Gorda Beaches</b>	3-580		Salmon Creek  Area of Special biological Significance  Owned by U.S. Forest Service, run by private concessionaire.	CA Dept. of Parks and Rec., Monterey District (831) 649-2810 (24-hour)	N

### 9875.21 Other Resources and Species of Concern

Please see section 9871.21 for a discussion of this topic.

### 9875.22 Essential Fish Habitat

Please see section 9801.22 for a discussion of this topic.

### 9875.3 Operational Divisions

Please see Section 9871.3 for maps that delineate Operational Divisions for this ACP.

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